

PRODUCT CATALOGUE 2025

ISSUE 01



Smile through life.



Neodent® is a global brand founded by a dentist for dentists, with the purpose of changing lives. Available in **95 countries**, with a legacy of **more than 30 years** focused on ease of use, **Neodent® Dental Implant Systems** focus on **progressive treatment concepts**, such as **immediacy with modern and reliable solutions** to enable therapy access and affordability for **creating new smiles every day**.



GLOBAL BRAND

Available in 95 countries, expanding our philosophy worldwide.



FOUNDED BY A DENTIST FOR DENTISTS

A legacy of more than 30 years focused on ease of use.



PROGRESSIVE TREATMENT CONCEPTS

Modern and reliable solutions.



THERAPY ACCESS AND AFFORDABILITY

Accessability to proven and affordable solutions.



When we founded Neodent, we had a clear dream: to make implant dentistry accessible and truly transform lives. I have always believed that, alongside dentists, we could make a difference in people's lives, restoring not only oral health but also self-esteem and the joy of living.

This purpose drives me and drives Neodent.

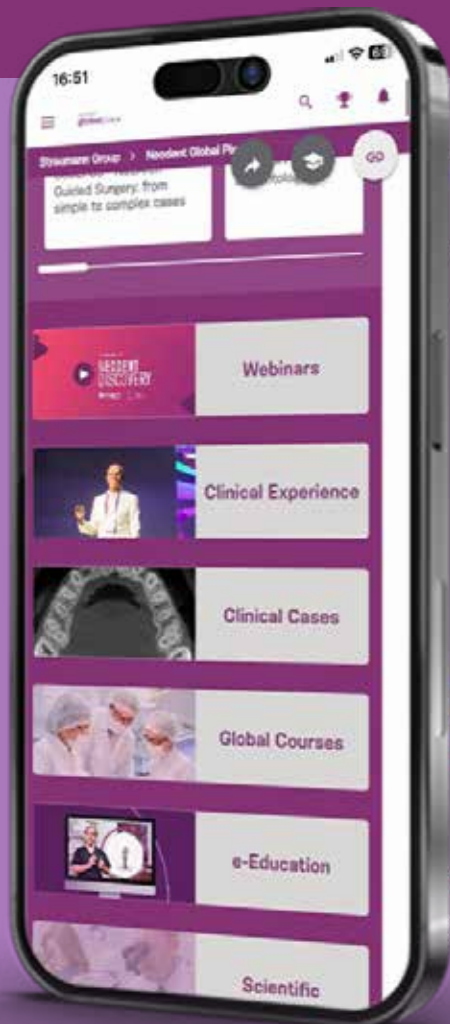
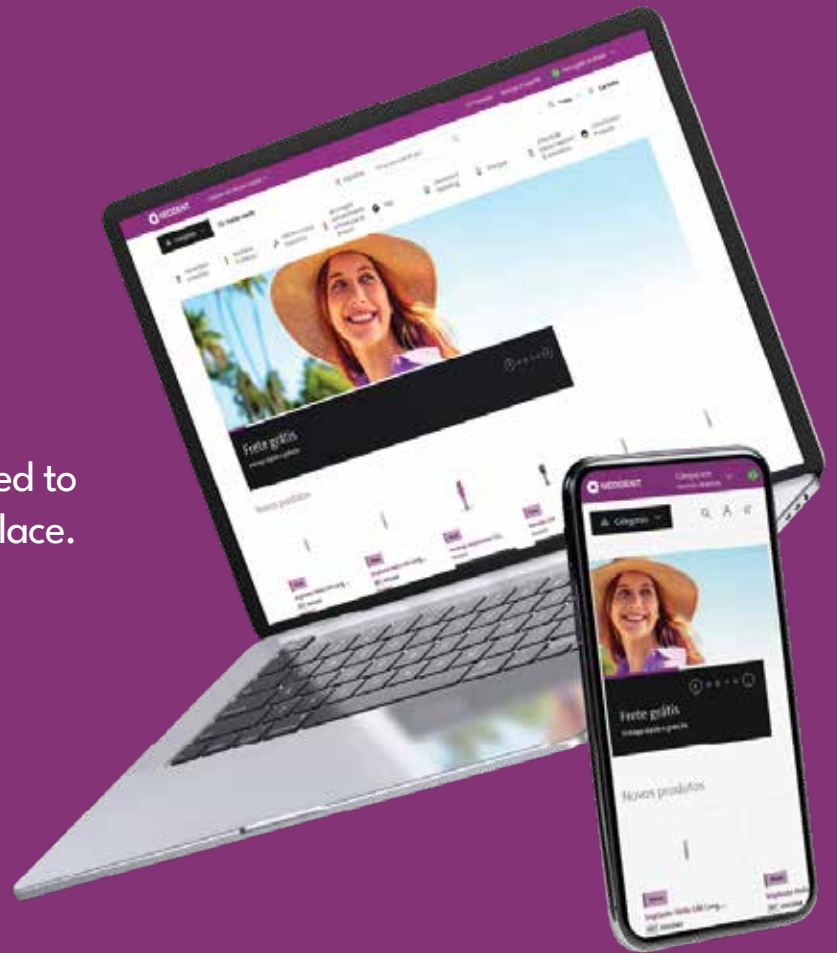
We put the patient at the center of everything we do and, with great passion, develop innovative solutions that empower every dental professional with the tools they need to deliver the best treatment. To achieve this, we combine agility and quality, always committed to addressing all clinical cases and ensuring outstanding results!

Neodent was born from a dentist for dentists. Everything we do is so they can transform their patients' lives, restoring confidence and the pleasure of smiling. This is our daily purpose. And there is nothing more gratifying than knowing that, with every new smile, we are fulfilling our mission.

Dr. Geninho Thomé • Founder of Neodent®

Discover Neodent® eShop

Browse, shop, and enjoy a seamless experience designed to meet all your needs in one place.



NEODENT globalplay▶

Neodent Global Play offers free, on-demand dental training. Discover a wide array of resources including clinical cases, product training videos, tutorials, and more.

SUMMARY

6

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102

110

128

148

150

154

166

170



Ceramic Implant System

Increasing expectations for treatments solutions, the Neodent® Ceramic Implant System combines the notions of esthetic, stability, and flexibility.

This solution allows to immediately treat patients, thanks to the moderns naturally tapered design and wide prosthetic portfolio, achieving high-end esthetic results.

A new mindset

- A new flexibility mindset
- A new stability mindset
- A new esthetic mindset



DR GENINHO THOMÉ, from Brazil

“The patients are pursuing more and more esthetics results and we were able to come up with a product that is beautiful and also has injected ceramic technology, which makes it possible to make a high quality implant with an innovative, complex and metal-free technology.”





A new flexibility mindset

Looking to attend several treatments solutions and a wide range of prosthetic possibilities through a 2-pieces connection.

TREATMENT FLEXIBILITY

A new concept in flexibility offering several solutions for treatment, from conventional to digital workflow, attending bone types I to IV with outstanding esthetics.



Ø 3.75 mm



10.0 mm

11.5 mm

13 mm

Indicated for incisor and canines.



Ø 4.3 mm



10.0 mm

11.5 mm

13 mm

Indicated for all mouth regions.



PROSTHETIC FLEXIBILITY

The 2-pieces connection benefits the customer allowing to choose the best prosthetic solution.

A user-friendly system that provides higher treatment flexibility when compared to one-piece implants.



ZI BASE



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 3.75/4.5 mm



ZI BASE FOR C



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.65 mm



ZI CR ABUTMENT



Single-unit cement-retained prosthesis



Ø 4.0/4.5 mm

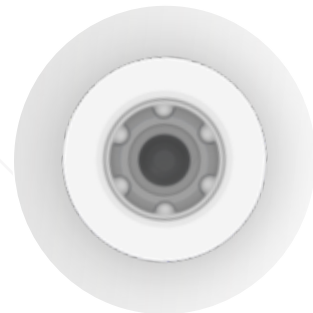


A new **stability mindset**

Zi combines a naturally tapered implant design with double trapezoidal threads. Both designed to maximize stability and predictability in immediate treatments.

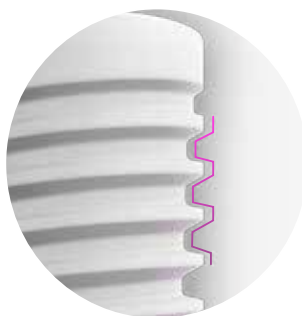
ZILOCK® CONNECTION

ZiLock® is a ceramic internal connection with 6 rounded lobes. This indexation results in a precise abutment positioning, protecting against rotation. Designed with a longer screw which provides a secure engagement between the ceramic implant and the ceramic abutment. Additionally, it improves the ceramic performance by optimizing the force distribution along the internal connection.



TAPERED DESIGN FOR PRIMARY STABILITY

Ceramic Implant System exhibits a modern tapered geometry designed for predictable immediate load in bone types I to IV. This feature was designed to mimic the tapered shape of a natural tooth root, driving to achieve high primary stability.



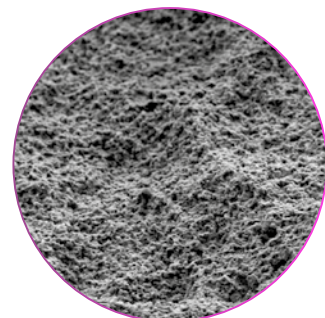
Double trapezoidal thread design.



Apically tapered with chamber flutes.

PREDICTABILITY WITH SAND-BLASTED AND ACID-ETCHED SURFACE

Zi features the sand-blasted and acid-etched surface treatment, presenting macro and micro roughness based on the highly successful Neoporos® treatment surface.



Representative image of the implant surface - Scanning Electron Microscope (SEM) magnification of 5000x.



A new **esthetic mindset**

Seeking for an outstanding esthetic performance, Zi offers, from the material itself, Ceramic, to the comprehensive portfolio, a natural esthetic result.

OUTSTANDING ESTHETIC PERFORMANCE

Aiming to deliver performance with a high-end esthetic result, Neodent Ceramic Implant System features an outstanding ceramic material, that provides a natural looking outcome, thanks to its white color

A PORTFOLIO TO ACHIEVE NATURAL ESTHETIC RESULTS

Ceramic prosthetic portfolio allows conventional or immediate protocol. In addition, preferable workflow can be applied from conventional to digital, providing a natural looking restoration.



HEALING ABUTMENT

Designed in Ceramic with a consistent emergence profile matching the outer shape of the Zi Base.



CONVENTIONAL WORKFLOW

The burn-out coping is developed to deliver accurate wax up prosthetic restoration in a conventional workflow.



DIGITAL WORKFLOW

The Scanbody allows access to the digital restorative workflow for implant level. This solution is compatible with the main CAD softwares in the market.



DR FEDERICO MANDELLI, from Italy

“ Zi is a Ceramic Implant System that I can use with any immediate loading protocol. So I can keep my protocols the same, for titanium or ceramic, offering the same treatment for any case. ”

Neodent® Zi Implant Packaging

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



Package instruction of use



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.
NOTE: The clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



2. The internal support containing the implant and transfer piece must come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction without making any lateral movements.



3. Keep the support stable and remove the lid.



4. For installation, capture the implant transfer piece with the Hexagonal Connection, keeping it stable and slightly rotating the internal support, searching for the perfect fit between connection and transfer piece.



5. Take the transfer-implant assembly to the surgical cavity.

e-IFU – Electronic Instructions For Use

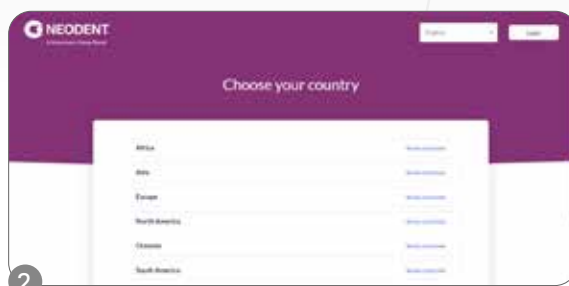
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en



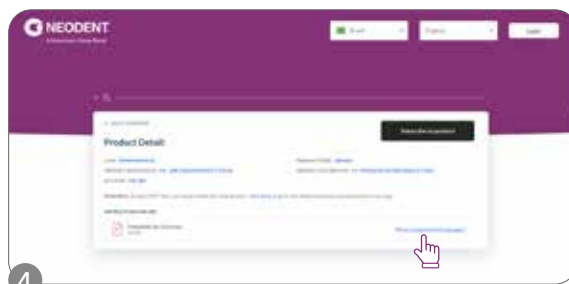
1 To access the IFU website, enter the address above in your browser.



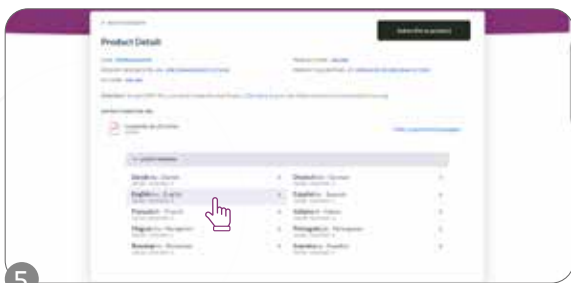
2 Select the country.



3 Enter the article number in the search field.



4 The search results will be displayed; click on "show supported languages."



5 Select the language.



6 Confirm and access the IFU.

Zi Implant

PRODUCT FEATURES:

Implants Description:

- Naturally tapered design
- Compacting trapezoidal threads
- Double threaded implant
- Apically tapered with chamber flutes
- ZiLock® connection

Indications:

- Indicated for all types of bone density

Drilling features:

- Drilling speed: 800-1200 rpm for bone types I and II
- Drilling speed: 500-800 rpm for bone types III and IV.
- Bone tap is required if used in bone types I, II and post extraction: contra angle: 30rpm/35 N.cm and torque wrench: maximum torque of 60N.cm
- Maximum insertion torque: 60 N.cm
- Minimum torque value for immediate loading: 35N.cm

Surface:

- Zi features the sand-blasted and acid-etched surface treatment, presenting macro and micro roughness based on the highly successful Neoporos® treatment surface.



Drill Sequence for conventional surgery

	Initial drill 103.170	Ø 2.0 L10 103.683 L11.5 103.684 L13 103.685	Ø 3.75 L10 103.686 L11.5 103.687 L13 103.688	Ø 3.75/4.3 L10 103.689 L11.5 103.690 L13 103.691	Ø 4.3 L10 103.692 L11.5 103.693 L13 103.694	Bone Tap Ø 3.75 111.053	Bone Tap Ø 4.3 111.052
Ø 3.75 mm	✓*	✓	✓	✓		✓	
Ø 4.3 mm	✓*	✓	✓	✓	✓		✓
Ø 3.75 mm	✓*	✓	✓	✓			
Ø 4.3 mm	✓*	✓	✓	✓	✓		
Ø 3.75 mm	✓*	✓	✓				
Ø 4.3 mm	✓*	✓	✓	✓			

Bone types I and II

Bone type III

Bone type IV

*Optional

Drill Sequence for guided surgery

	Mucosa Punch Ø 3.75 103.695	Mucosa Punch Ø 4.3 103.696	Leveling drill Ø 3.75 103.680	Leveling Drill Ø 4.3 103.681	Initial drill guided 103.682	Ø 2.0 L10 103.683 L11.5 103.684 L13 103.685	Ø 3.75 L10 103.686 L11.5 103.687 L13 103.688	Ø 3.75/4.3 L10 103.689 L11.5 103.690 L13 103.691	Ø 4.3 L10 103.692 L11.5 103.693 L13 103.694	Bone Tap Ø 3.75 111.053	Bone Tap Ø 4.3 111.052
Ø 3.75 mm	✓*		✓*		✓	✓	✓	✓		✓	
Ø 4.3 mm		✓*		✓*	✓	✓	✓	✓	✓		✓
Ø 3.75 mm	✓*		✓*		✓	✓	✓	✓			
Ø 4.3 mm		✓*		✓*	✓	✓	✓	✓	✓		
Ø 3.75 mm	✓*		✓*		✓	✓	✓				
Ø 4.3 mm		✓*		✓*	✓	✓	✓	✓			

Bone types I and II

Bone type III

Bone type IV

- In order to prepare the surgical alveolus after extraction, use sequences of the drill used in type I bone.
- For mandible, use bone tap.

Zi Implants

	10.0 mm	11.5 mm	13.0 mm		10.0 mm	11.5 mm	13.0 mm
Ø 3.75	 180.002	 180.003	 180.004		 180.006	 180.007	 180.008
Ø 4.3							

Zi Cover Screw



117.023

- :: Use the manual Neo Screwdriver (104.060);
- :: Do not exceed the insertion torque of 10 N.cm.

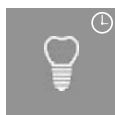
Zi Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.75	106.233	106.234	106.274	106.275
Ø 4.5	106.235	106.236	106.276	106.277

- :: Use the manual Neo Screwdriver (104.060);
- :: Do not exceed the insertion torque of 10 N.cm.

Peek CR Abutment



Single-unit
cement-retained
temporary
prosthesis



Ø 4.0/4.5 mm

Neo screwdriver connection;
Cementable area height: 5.0 mm;
Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;
ZiLock® connection;
Removable screw.



Installation Sequence

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Peek CR Abutment
Ø 4.0	114.888	114.889	114.926	114.927	
Ø 4.5	114.886	114.887	114.924	114.925	



Impression Coping
CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202



Provisional Coping
CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202



Zi CR
Abutment Analog

Ø 4.0 101.106

Ø 4.5 101.105

Hybrid use: can be used as
an impression coping and
a provisional abutment.

Drivers

1



Neo
Screwdriver
Torque
Connection

+



Torque Wrench

Zi Base



Single-unit
screw-retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø 3.75/4.5 mm

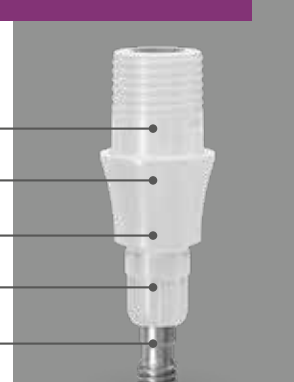
Neo screwdriver connection;

Chimney height: 4.0 mm;

Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;

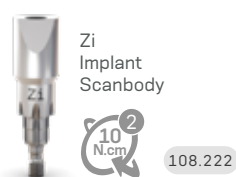
ZiLock® connection;

Removable screw.



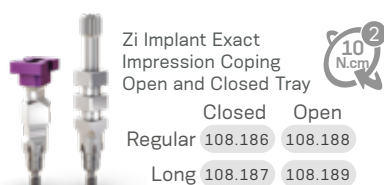
Installation Sequence

Intraoral scanning

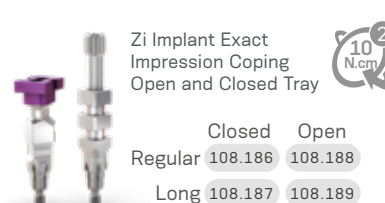


	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Zi Base
Ø 3.75	135.254	135.255	135.440	135.441	
Ø 4.5	135.256	135.257	135.442	135.443	

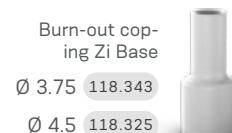
Model Scanning



Conventional



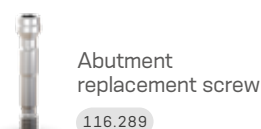
	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Zi Base
Ø 3.75	135.254	135.255	135.440	135.441	
Ø 4.5	135.256	135.257	135.442	135.443	



Drivers



Accessories



Zi Base for C



Single-unit
screw-retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø 4.65 mm

Design for CEREC® workflow;

Neo screwdriver connection;

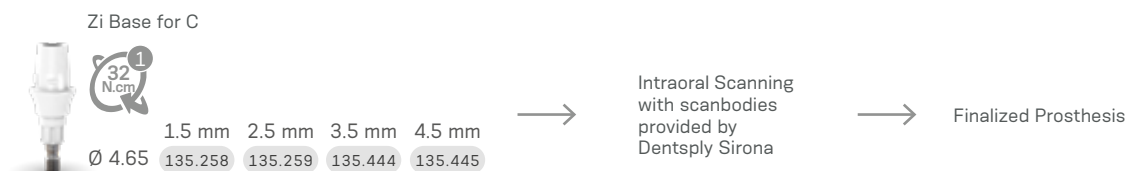
Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;

ZiLock® connection;

Removable screw.



Installation Sequence



Workflow

Step 1

Gingiva height
selection and
ordering.



Select the Zi Base
for C gingival height.



Order the Zi Base for C.

Please note that the scanbody
has to be purchased directly
from equipment manufacturer.

Step 2

Intra-oral
scanning.



Insert the Zi Base for C in the Neodent
implant. In this step the Scanbase for C
can be used as alternate for scanning.



Scanbase for C

GH	1.5	108.234	3.5	108.236
	2.5	108.235	4.5	108.237



Insert Scanbody on the Zi
Base or Scanbase for C.

Step 3

Design and
milling.



Select in the CAD software the
comparable third-party Zi Base and
perform the digital design. When
using the Scanbase for C always refer
to the same GH as the Zi Base for C.



Mill the digital design.

Step 4

Finalization
and fixation.



- Check the fit of milled restoration in the patient's mouth and adapt it, if needed.
- Cement the restoration on the Zi Base for C and insert it into the patient's mouth.

CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
TI-base	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Griding block	Implant manufacturer	Implant system
NBB 3.4 L	L	6431329	6431303	inCoris Zi meso L	Neodent®	GM, CM, HE, IIPlus
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L						
S BL 4.1 L						
BO 3.4 L						

Drivers

Accessories

1



Neo
Screwdriver
Torque
Connection

+



Torque Wrench



Abutment
replacement screw

116.289

Zi CR Abutment

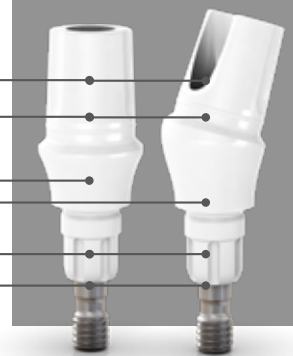


Single-unit
cement-
retained
prosthesis



Ø 4.0/4.5 mm

Neo screwdriver connection;
Chimney height: 5.0 mm;
Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;
Gingival height: 1.5, 2.5 & 3.5 mm;
ZiLock® Connection;
Removable screw.



Installation Sequence

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Zi CR Abutment Straight
Ø 4.0	114.854	114.855	114.916	114.917	
Ø 4.5	114.856	114.857	114.918	114.919	

	1.5 mm	2.5 mm	3.5 mm	Zi CR Abutment Angulated 17°
Ø 4.0	114.858	114.859	114.920	
Ø 4.5	114.860	114.861	114.922	

Intraoral

	Zi CR Abutment Scanbody
Ø 4.0	108.199
Ø 4.5	108.200

	Zi CR Abutment Analog
Ø 4.0	101.106
Ø 4.5	101.105

Milled Crown

Conventional

	Impression Coping CR Abutment
Ø 4.0	108.201
Ø 4.5	108.202

	Provisional Coping CR Abutment
Ø 4.0	108.201
Ø 4.5	108.202

	Zi CR Abutment Analog
Ø 4.0	101.106
Ø 4.5	101.105

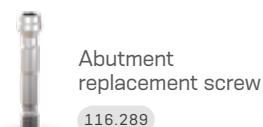
	Zi CR Abutment Burn Out Coping
Ø 4.0	118.367
Ø 4.5	118.368

Hybrid use: can be used as an impression coping and a provisional abutment.

Drivers



Accessories



Zi Guided Surgery:

Precision and predictability with outstanding esthetic results

When it comes to ceramic implant systems, the guided technique contributes to achieve esthetic results with predictability and confidence in treatment decisions.

Considering the precise positioning and the combination of ceramic material with soft tissue preservation, the guided protocol is accurate and precise compared to conventional procedures and also reduces the surgical procedure time.



PREDICTABILITY

Advanced planning and guided protocol to achieve desired clinical outcome.



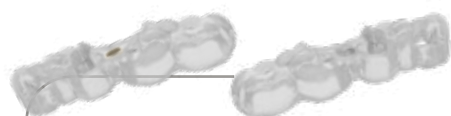
PRECISION

Precise drilling and implant placement.

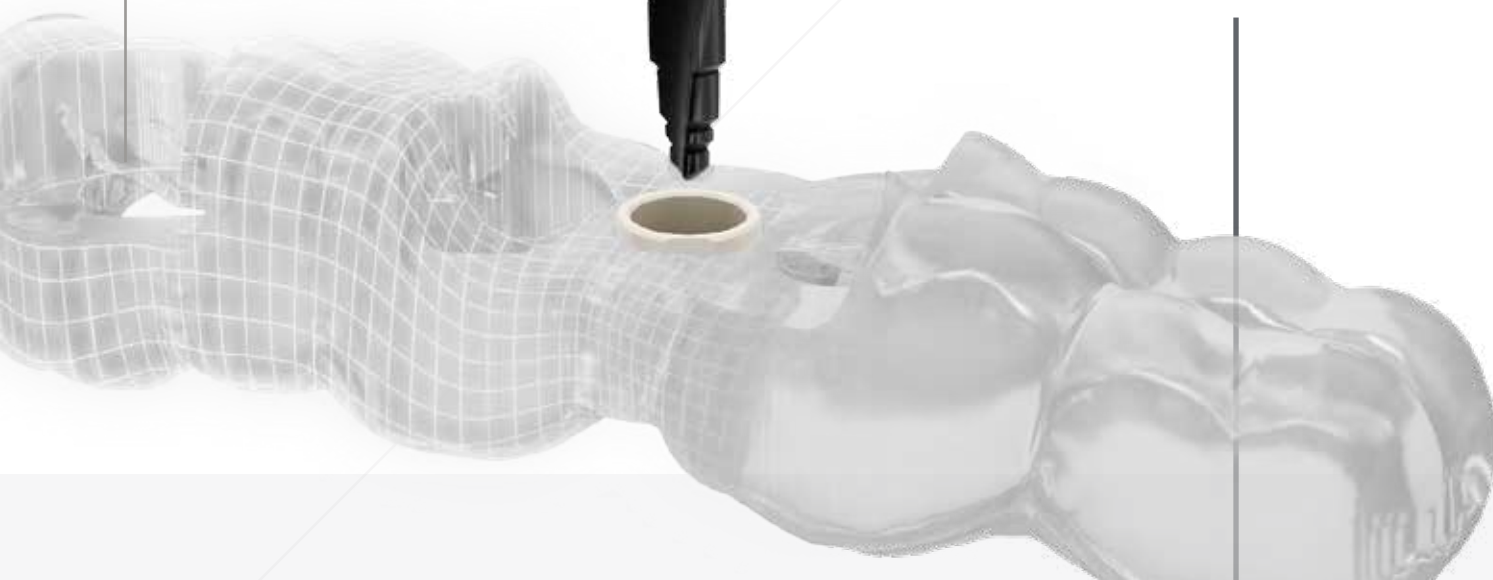


EFFICIENCY

Reduced need for decision-making during the surgical protocol.



The Neodent® Zi Implant System offers guided surgery options for both **sleeve** and **sleeveless** techniques.





Efficient and adaptable
with no need for multiple kits

The new Neodent® Zi MultiKit™ is an all-in-one kit designed for both conventional and guided protocols, allowing an organized, efficient, and adaptable surgical environment.



DIAMETER ● Ø3.75 ● Ø4.3

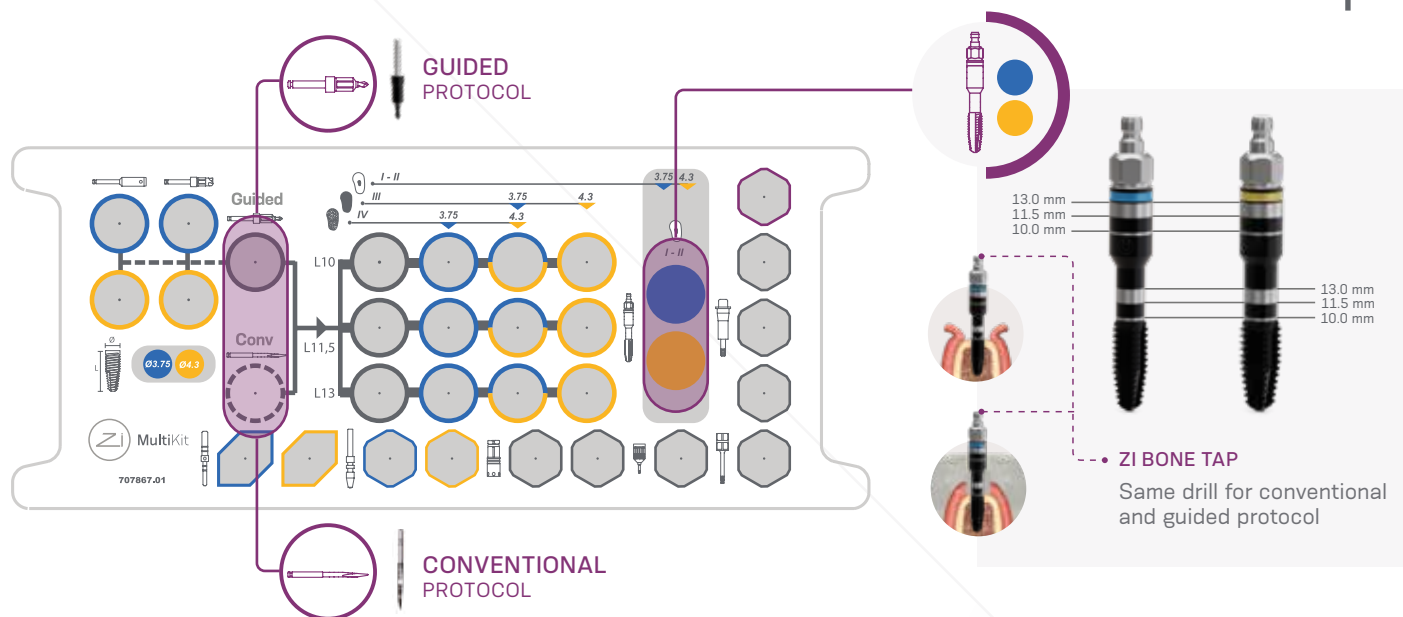
User-friendly color-coded system
according to implant diameter.

DRILL STOP

Built-in drill stop for physical depth
control for guided protocol.

LENGTH MARK

Active portion matching implant length
and laser-marked information for
conventional protocol.



Zi Implant System Kit

Zi MultiKit

Autoclavable polymer case.

To order pre mounted version of the kit, with its full composition use code [110.342](#).



Articles

- | | |
|---|--|
| 110.337 Zi MultiKit Case | 103.395 Guided Surgery Drill 1.3 |
| 103.682 Zi Initial Drill for Guided Surgery | 103.695 Zi Mucosa Punch 3.75 |
| 103.170 Initial Drill | 103.696 Zi Mucosa Punch 4.3 |
| 103.680 Zi Bone Levelling Drill 3.75 | 105.174 Zi Driver for Torque Wrench |
| 103.681 Zi Bone Levelling Drill 4.3 | 105.175 Zi Driver for Contra-angle |
| 103.683 Zi Tapered Drill 2.0x10 | 105.132 Neo Screwdriver Torque Connection |
| 103.684 Zi Tapered Drill 2.0x11.5 | 104.060 Neo Manual Screwdriver |
| 103.685 Zi Tapered Drill 2.0x13 | 125.210 Zi Palatal Setter |
| 103.686 Zi Tapered Drill 3.75x10 | 103.665 Drill Palatal Setter |
| 103.687 Zi Tapered Drill 3.75x11.5 | 125.142 Guide Clamp |
| 103.688 Zi Tapered Drill 3.75x13 | 129.034 Depth Probe |
| 103.689 Zi Tapered Drill 3.75/4.3x10 | 125.209 Zi Guide Stabilizer for Guided Surgery |
| 103.690 Zi Tapered Drill 3.75/4.3x11.5 | 128.020 Direction Indicator 3.75 |
| 103.691 Zi Tapered Drill 3.75/4.3x13 | 128.022 Direction Indicator 4.3 |
| 103.692 Zi Tapered Drill 4.3x10 | 129.020 Tapered X-ray Positioner 3.75 |
| 103.693 Zi Tapered Drill 4.3x11.5 | 129.013 Tapered X-ray Positioner 4.3 |
| 103.694 Zi Tapered Drill 4.3x13 | 104.050 Torque Wrench |
| 111.053 Zi Bone Tap 3.75 | 125.211 Zi Transfer Piece Remover |
| 111.052 Zi Bone Tap 4.3 | |

Note: Items that compose Zi Neodent® Kit are sold separately.

Zi Implant System Instruments



Initial Drill

- :: Available in surgical steel;
- :: 2.0mm diameter.

103.170	Conventional
103.682	Guided

Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Zi Implants.

103.683	Zi Tapered Drill Ø2.0X10
103.684	Tapered Drill Ø2.0X11.5
103.685	Tapered Drill Ø2.0X13
103.686	Tapered Drill Ø3.75X10
103.687	Tapered Drill (short) Ø3.75X11.5
103.688	Tapered Drill (long) Ø3.75X13
103.689	Tapered Drill (short) Ø3.75/4.3X10
103.690	Tapered Drill (long) Ø3.75/4.3X11.5
103.691	Tapered Drill (short) Ø3.75/4.3X13
103.692	Tapered Drill (Long) Ø4.3X10
103.693	Tapered Drill (short) Ø4.3X11.5
103.694	Tapered Drill (Long) Ø4.3X13



Guided Surgery Drill 1.3 and Guide Clamp

- :: Drill available in stainless steel;
- :: Guide Clamp available in titanium;
- :: For initial fixation of the surgical guide.

Drill Ø 1.3	Guide Clamp
103.395	125.142



Bone Tap

- :: Available in surgical steel;

111.053	Ø3.75
111.052	Ø4.3



Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short 16.5 mm	Medium 22 mm	Long 32 mm
105.133	105.132	105.157



Neo Manual Screwdriver

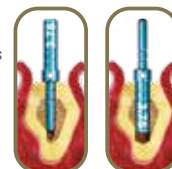
- :: Available in surgical steel;
- :: Yellow color for line identification

Short 21 mm	Medium 25 mm	Long 37 mm
104.058	104.060	104.070



Direction Indicators

- :: Available in titanium;
- :: Instrument to guide the implant position;
- :: Diameter of central band corresponds to GM and Zi Implant diameter;
- :: Smaller side to be used after Ø2.0mm drill;
- :: Larger side to be used after the last drill before implant installation.



3.0/3.75	128.020	3.6/4.3	128.022
----------	---------	---------	---------



Tapered X-Ray Positioner

- :: Check the axis in relation to adjacent roots using numbers identification.

Ø3.75	Ø4.3
129.020	129.013



Zi Mucosa Punches

- :: To remove the mucosa before beginning the osteotomy.

Ø 3.75	Ø 4.3
103.695	103.696



Bone Leveling Drills

- :: Available in stainless steel;
- :: Identification through coloring for the different installation diameters of implants in ink canals;
- :: For flattening bone surface before osteotomy.

Ø 3.75	Ø 4.3
103.680	103.681





Palatal Setter

:: Drill and Palatal Setter available in stainless steel;
:: Maximum torque of 20 N.cm.

Drill Palatal Setter
103.665 125.210



Zi Guide Stabilizer for Guided Surgery

:: Application torque: 10 N.cm;
:: Titanium alloy.

125.209



Zi Transfer Piece Remover

:: Compatibility with the cervical portion of Zi implants.

125.211



Zi Driver for Torque Wrench

:: Blue and Yellow for identification coloring for the Implant Drivers;
:: Maximum recommended torque: 60 N.cm.

Regular Long
105.174 105.018



Driver for Contra-angle

:: Blue and Yellow for identification coloring for the Implant Drivers;
:: Maximum recommended torque: 35 N.cm;

105.174

Sleeves



Zi Guided Surgery Sleeve Peek (10 un)
125.208



Sleeve for Palatal Setter (10 un)
125.177



Sleeve for Fixation Clamp (10 un)
125.143



Zi Bone Profile Drill with Guide

:: Available in surgical steel;
:: Used in the second surgical step;
:: Contours the bone around the implant platform, preparing the emergence profile to be suitable for abutments.

103.428

Reamer for Surgical Guide

:: Tip for guide: cutting diameter Ø4.55 mm;
:: Tip for sleeve: cutting diameter Ø5.35 mm.



Holder
125.212



125.213

Zi Tip for guide, reamer for surgical guide

125.214

Zi Tip for sleeve, reamer for surgical guide

Depth Probe

:: Available in titanium;
:: With marks matching the implant lengths.



129.034

Torque Wrench

:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning.



104.050

Replacement items for Zi Conventional Kit

									
	Initial	Ø 2.0	Ø 3.5 short	Ø 3.75 short	Countersink Ø 3.75	Bone Tap Ø 3.75	Ø 4.3 short	Countersink Ø 4.3	Bone Tap Ø 4.3
	103.170	103.425	103.562 medium 103.561 long 103.563	103.565 medium 103.564 long 103.566	103.609	111.049	103.571 medium 103.570 long 103.572	103.610	111.050
Ø 3.75 mm	✓*	✓	✓	✓	✓	✓			
Ø 4.3 mm	✓*	✓	✓				✓	✓	✓
*Optional / Bone types I and II 									
Ø 3.75 mm	✓*	✓	✓	✓	✓				
Ø 4.3 mm	✓*	✓	✓				✓	✓	
*Optional / Bone type III 									
Ø 3.75 mm	✓*	✓	✓	✓					
Ø 4.3 mm	✓*	✓	✓				✓		
*Optional / Bone type IV 									

- In order to prepare the surgical alveolus after extraction, use sequences of the drill used in type I bone.
- For mandible, use bone tap.

Tapered Drills

:: Available in surgical steel;
:: Drill sequence for Zi Implants.



- 103.561 Tapered Drill Ø3.5
- 103.564 Tapered Drill Ø3.75
- 103.570 Tapered Drill Ø4.3
- 103.425 Tapered Drill Ø2.0
- 103.562 Tapered Drill (short) Ø3.5
- 103.563 Tapered Drill (long) Ø3.5
- 103.565 Tapered Drill (short) Ø3.75
- 103.566 Tapered Drill (long) Ø3.75
- 103.571 Tapered Drill (short) Ø4.3
- 103.572 Tapered Drill (Long) Ø4.3

Countersink Drills

:: Available in surgical steel;



- 103.609 Ø3.75
- 103.610 Ø4.3

Bone Tap

:: Available in surgical steel;



- 111.049 Ø3.75
- 111.050 Ø4.3

Drill Extension

:: Available in surgical steel;
:: Fit the drill directly into the Drill Extension.



- 103.426

Grand Morse®

GREATNESS IS AN ACHIEVEMENT



GRAND RELIABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

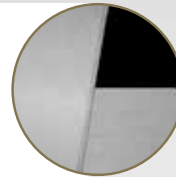
The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse® connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse Taper including an internal indexation for a strong and stable connection designed to achieve long-lasting results.

26



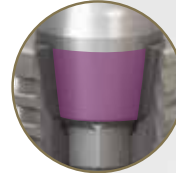
1 Platform Switching

Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept⁽⁵⁻⁹⁾.



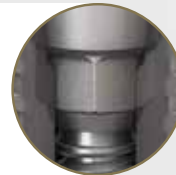
2 16° Morse Taper Connection

Designed to ensure tight fit for an optimal connection sealing.



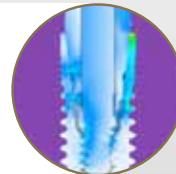
3 Internal Indexation

Precise abutment positioning, protection against rotation and easy handling.



4 Deep Connection

Allowing a large contact area between the abutment and the implant for an optimal load distribution.



DR JOE BHAT, from United Kingdom

“The new GM line has been the most effective tool that I have used in my practice. With regard to full-arch reconstruction and for immediate loading. ”





GRAND SIMPLICITY

EASE OF USE AT ITS BEST

Implant therapy has become an integral part of clinical dentistry, with ever increasing numbers of patients seeking such treatment. The Neodent® Grand Morse® Implant System is smartly engineered providing efficiency and simplicity within the dental treatment network for both surgical to restoratives steps.

ONE PROSTHETIC PLATFORM

All Neodent® Grand Morse® implants feature the unique Grand Morse® connection regardless of the implant diameter.



ONE SCREWDRIVER

The Neo Screwdriver has a star attachment offering reliability and durability compatible with all Neodent® Grand Morse® healing abutments and cover screws and most of the restorative screws.



ONE IMPLANT DRIVER

The Neodent® implant driver allows an easy and reliable implant pick up and placement.



ONE SURGICAL KIT

Intuitive and functional compact surgical kit, that allows the place of Helix GM® implants in all bone types.



DR MICHELE ANTONIO LOPEZ, from Italy

“ Helix GM Implant give me many solutions, because it's a very easy implant system, one only platform, an universal implant very stable and full of solutions from a prosthetic point of view. ”



GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

The increasing expectations for shortened treatment duration represent a significant challenge for dental professionals. The Neodent® Grand Morse® system offers a unique implant design featuring the innovative Acqua hydrophilic surface designed to maximize primary stability and predictability in immediate protocols.

HELIX® - OPTIMAL IMPLANT DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY

Helix® Grand Morse® is an innovative hybrid implant design maximizing treatment options and efficiency in all bone types.

Fully tapered body design

- Coronal: 2° - 12°
- Apex: 16°
- » Allowing under-osteotomy



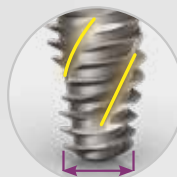
Hybrid contour

- Coronal: Cylindrical
- Apex: Conical
- » For stability with vertical placement flexibility



Active apex

- Soft rounded small tip
- Helical flutes
- » Enabling immediate loading



Dynamic progressive thread design

- Coronal: Trapezoidal > compressing
- Apex: V-Shape > Self-tapping
- » Achieving high primary stability in all bone types



Acqua hydrophilic surface

Designed for high treatment predictability

acqua



Titamax®

Vertical placement flexibility.
Bone types I & II.



Drive®

High primary stability in
challenging bone types.
Bone types III & IV.



GRAND ESTHETICS

DELIVER IMMEDIATE
NATURAL ESTHETICS



DR PAULO CARVALHO, from Portugal

“On the prosthetic part, the emergence profiles of the abutments, and everything that happens from the connection above, works and makes success in the long term. //

Nowadays, patients expect both short treatment times and esthetic results. The Neodent® Grand Morse® restorative portfolio offers flexibility to simplify soft tissue management respecting the biological distances for achieving immediate function and esthetics.



Titanium Temporary Abutment



Pro-Peek Abutment



Titanium Base



Titanium Base C



Titanium Base for Bridge



Titanium Block (AG or Medentika Holder)



CoCr Abutment



Anatomic Abutment (straight and angled)



Universal Abutment (straight and angled)



Abutment



Angled Mini Conical Abutment



Attachment TiN* for Removable Prostheses (straight and angled)



Titanium Base AS



Straight Mini Conical Abutment



Micro Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Overdenture



Multiple-unit screw-retained prosthesis



Multiple-unit cement-retained prosthesis



Temporary

Neodent® Grand Morse Implant Packaging

Neodent® implant packaging has been updated to a concept that provides convenience and safety through all steps of the procedure, from storage to the placement of the implant. The new packaging aids in identification of both the implant model as well as its diameter and length, regardless of its storage position.



Package instruction of use



1. After breaking the sterility seal on the blister, hold the primary package (vial) and twist the lid to open it.



2. To remove the implant from the vial lift the cap up, which has the stand and implant attached to it.



3. To secure the implant, grip both sides of the implant carrier.



4. While gripping the implant carrier, remove the lid.



5. To capture the implant with the contra-angle handpiece attachment, grip the implant carrier while placing the attachment into the implant chamber.



6. The implant can now be transported to the surgical site.

e-IFU – Electronic Instructions For Use

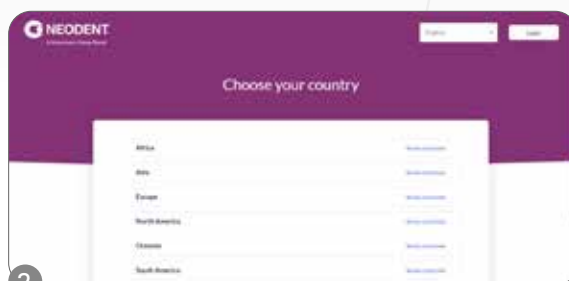
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en



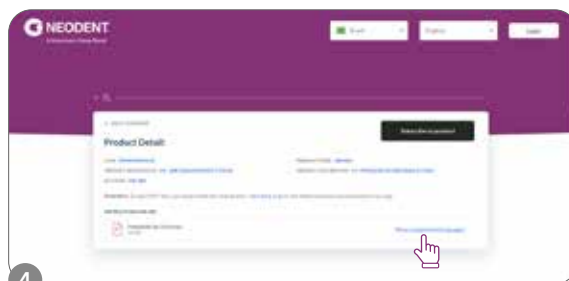
1 To access the IFU website, enter the address above in your browser.



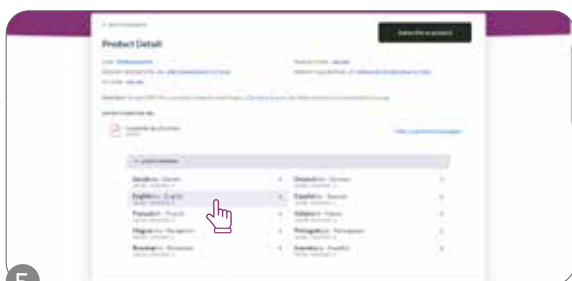
2 Select the country.



3 Enter the article number in the search field.



4 The search results will be displayed; click on "show supported languages."



5 Select the language.



6 Confirm and access the IFU.

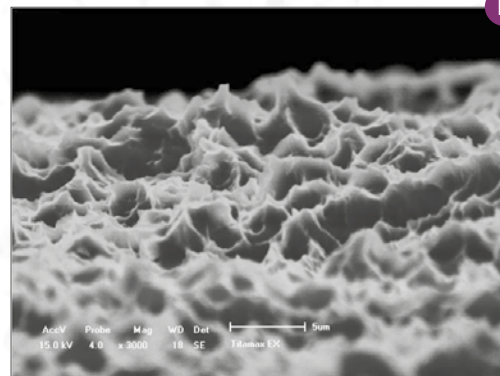
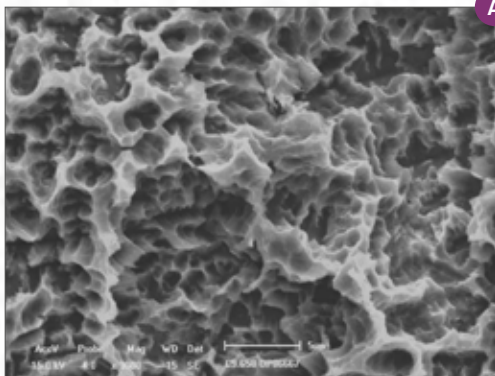
NeoPoros

Constant evolution and safety guarantee.

Based on the abrasive sandblasting concept followed by acid etching, the **NeoPoros** surface promotes, by using controlled grain oxides, cavities on the implant surface that then are uniformed with the acid etching technique.

The whole process of obtaining this surface is guaranteed due to automated time, speed, pressure and particle size control.

Several scientific studies continue to be performed so that the **NeoPoros** surface may be always evolving and promoting much more reliability for you.



Controlled roughness on all implant surface. Scanning electron microscopy (A) shows macro (15-30µm) and (B) microtopography (0,3-1,3µm).

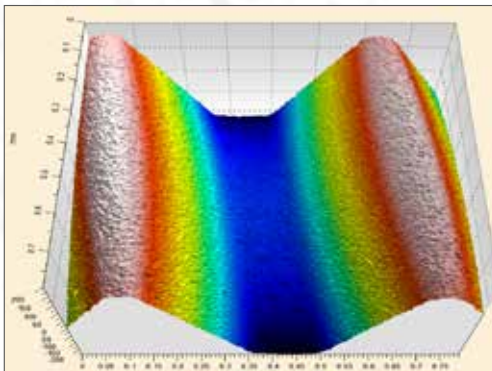


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa = 0,3 – 1,3 µm; Sz = 6,0 - 15,5 µm).



DR ANA TADORIC, from Serbia

“I like the immediacy and I like the immediate loading. That is something that our patients are demanding in everyday practice more and more. So this is perfect for me.”

acqua®

Acqua Hydrophilic Surface designed for high treatment predictability.

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. (sandblasted, large grit, acid-etched) type of surface developed to achieve successful outcomes even in challenging situations, such as soft bone or immediate protocols.⁽¹⁻⁴⁾

Hydrophilicity

The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua implant surface.⁽²⁾

Surface comparison

Lab generated images.



NeoPoros surface.



*Acqua Hydrophilic
Surface.*



DR GERT SAUER, from South Africa

“ The design of Neodent® GM Helix Acqua allows for immediate loading for all cases with predictable results. That is the main reason why I’m using Neodent®; even in cases with poor bone quality we can achieve primary stability. This results in predictable solutions for all of our patients. ”

Helix GM[®]

PRODUCT FEATURES:

Implants Description:

- Full dual tapered implant;
- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- Active apex including a soft rounded small tip and helicoidal flutes;
- Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping V-shape threads on the apical part;
- Double threaded implant;
- Grand Morse[®] connection.

Indications:

- Indicated for all types of bone density and implant immediate placement post extraction.

Drilling features:

- Contour drill is required in bone types I and II;
- Final pilot drills are highly recommended in bone types I and II;
- Implant should be positioned 1 or 2 mm below bone level;
- Drilling speed: 800-1200 rpm for bone type I and II;
- Drilling speed: 500-800 rpm for bone type III and IV;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.



Available with:

NeoPoros or 

Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0
	103.170	103.425	103.561	103.578	103.513	103.564	103.579	103.514	103.567	103.580	103.515	103.570	103.581	103.516	103.573	103.582	103.517	103.576	103.577
Ø 3.5	✓*	✓		✓	✓														
Ø 3.75	✓*	✓	✓				✓	✓											
Ø 4.0	✓*	✓	✓							✓									
Ø 4.3	✓*	✓	✓							✓									
Ø 5.0	✓*	✓	✓							✓*									

*Optional / Bone types I and II

Ø 3.5	✓*	✓	✓																
Ø 3.75	✓*	✓	✓				✓*												
Ø 4.0	✓*	✓	✓						✓*										
Ø 4.3	✓*	✓	✓										✓*						
Ø 5.0	✓*	✓	✓										✓*						
Ø 6.0	✓*	✓	✓				✓						✓					✓	
Ø 7.0	✓*	✓	✓										✓					✓	✓*

*Optional / Bone types III and IV

Drill Sequence with Neodent® Control System

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0
	103.170	103.492	103.493	103.500	103.513	103.494	103.501	103.514	103.495	103.502	103.515	103.496	103.503	103.516	103.497	103.504	103.517	103.498	103.499
Ø 3.5	✓*	✓		✓	✓														
Ø 3.75	✓*	✓	✓					✓	✓										
Ø 4.0	✓*	✓	✓					✓		✓									
Ø 4.3	✓*	✓	✓					✓											
Ø 5.0	✓*	✓	✓					✓	✓*										

*Optional / Bone types I and II

Ø 3.5	✓*	✓	✓																
Ø 3.75	✓*	✓	✓				✓*												
Ø 4.0	✓*	✓	✓						✓*										
Ø 4.3	✓*	✓	✓										✓*						
Ø 5.0	✓*	✓	✓										✓*						
Ø 6.0	✓*	✓	✓				✓						✓					✓	
Ø 7.0	✓*	✓	✓										✓					✓	✓*

*Optional / Bone types III and IV

Helix GM® Implants

Ø 3.5	Acqua	NeoPoros	Ø 3.75	Acqua	NeoPoros	Ø 4.0	Acqua	NeoPoros	Ø 4.3	Acqua	NeoPoros
8.0	140.943	109.943	8.0	140.976	109.976	8.0	140.982	109.982	8.0	140.948	109.948
10.0	140.944	109.944	10.0	140.977	109.977	10.0	140.983	109.983	10.0	140.949	109.949
11.5	140.945	109.945	11.5	140.978	109.978	11.5	140.984	109.984	11.5	140.950	109.950
13.0	140.946	109.946	13.0	140.979	109.979	13.0	140.985	109.985	13.0	140.951	109.951
16.0	140.947	109.947	16.0	140.980	109.980	16.0	140.986	109.986	16.0	140.952	109.952
18.0	140.988	109.988	18.0	140.981	109.981	18.0	140.987	109.987	18.0	140.989	109.989

Ø 5.0	Acqua	NeoPoros	Ø 6.0	Acqua	NeoPoros	Ø 7.0	Acqua	NeoPoros
8.0	140.953	109.953	8.0	140.1009	109.1009	8.0	140.1059	109.1059
10.0	140.954	109.954	10.0	140.1010	109.1010	10.0	140.1060	109.1060
11.5	140.955	109.955	11.5	140.1011	109.1011	11.5	140.1061	109.1061
13.0	140.956	109.956	13.0	140.1012	109.1012	13.0	140.1062	109.1062
16.0	140.957	109.957						
18.0	140.990	109.990						

GM Cover Screw

	0 mm	2 mm
	117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Healing Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

GM Customizable Healing Abutment

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

:: Use the manual Neo Screwdriver (104.060); :: Do not exceed the insertion torque of 10 N.cm.

Drive GM[®]

PRODUCT FEATURES:

Implants Description:

- Tapered implant;
- Square shape threads;
- Double threaded implant;
- Reverse cutting chambers distributed across the implant body;
- Rounded apex with a sharp edge;
- Grand Morse[®] connection.

Indications:

- Indicated for bone types III and IV and implant immediate placement post-extraction;

Drilling features:

- Final pilot drill is optional in bone types III and IV;
- Implant should be positioned 1 or 2 mm below bone level;
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.



Drill Sequence

								
	Initial	Ø 2.0	Ø 3.5	Ø 3.5	Ø 4.3	Ø 4.3	Ø 5.0	Ø 5.0
	103.170	103.425	103.561	103.513	103.570	103.516	103.573	103.517
Ø 3.5 mm	✓	✓	✓	✓ *				
Ø 4.3 mm	✓	✓	✓		✓	✓ *		
Ø 5.0 mm	✓	✓	✓		✓		✓	✓ *

*Optional / Bone types III and IV



Drive GM® Implants

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm	18.0 mm
Ø 3.5							
	Acqua	140.958	140.959	140.960	140.961	140.962	140.963
	NeoPoros	109.958	109.959	109.960	109.961	109.962	109.963
Ø 4.3							
	Acqua	140.964	140.965	140.966	140.967	140.968	140.969
	NeoPoros	109.964	109.965	109.966	109.967	109.968	109.969
Ø 5.0							
	Acqua	140.970	140.971	140.972	140.973	140.974	140.975
	NeoPoros	109.970	109.971	109.972	109.973	109.974	109.975

GM Cover Screw



0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Healing Abutment



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

:: Use the manual Neo Screwdriver (104.060); :: Do not exceed the insertion torque of 10 N.cm.

GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

Titamax GM[®]

PRODUCT FEATURES:

Implants Description:

- Cylindrical implant (parallel walls);
- V-shape threads;
- Double threaded implant;
- Self tapping apex;
- Grand Morse[®] connection.

Indications:

- Indicated for bone types I and II or grafted areas such as bone block.

Drilling features:

- Final pilot drill is highly recommended in bone types I and II;
- Implant should be positioned 1 or 2 mm below bone level;
- Self tapping implant which doesn't require the use of bone tap or contour drill;
- Drilling speed: 800-1200 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.



Available with:

NeoPoros or 

Drill Sequence

	Initial	Ø 2.0	Ø 2/3	Ø 2.8	Ø 3.0	Ø 3.5	Ø 3.3	Ø 3.75	Ø 4.0	Ø 3.8	Ø 4.3	Ø 5.0
	103.170	103.162	103.213	103.163	103.164	103.513	103.166	103.514	103.515	103.167	103.168	103.517
Ø 3.5 mm	✓	✓		✓		✓						
Ø 3.75 mm	✓	✓	✓		✓			✓				
Ø 4.0 mm	✓	✓	✓		✓		✓		✓			
Ø 5.0 mm	✓	✓	✓		✓			✓		✓	✓	✓

Bone types I and II



Titamax GM® Implants

		7.0 mm	8.0 mm	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø 3.5								
	Acqua	140.906	140.907	140.908	140.909	140.910	140.911	140.912
	NeoPoros	109.906	109.907	109.908	109.909	109.910	109.911	109.912
Ø 3.75								
	Acqua	140.899	140.900	140.901	140.902	140.903	140.904	140.905
	NeoPoros	109.899	109.900	109.901	109.902	109.903	109.904	109.905
Ø 4.0								
	Acqua	140.913	140.914	140.915	140.916	140.917	140.918	140.919
	NeoPoros	109.913	109.914	109.915	109.916	109.917	109.918	109.919
Ø 5.0								
	Acqua	140.920	140.921	140.922	140.923	140.924		
	NeoPoros	109.920	109.921	109.922	109.923	109.924		

GM Cover Screw



0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Healing Abutment



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

:: Use the manual Neo Screwdriver (104.060); :: Do not exceed the insertion torque of 10 N.cm.

GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

GM Mini Conical Abutment



Multiple-unit
screw-retained
prosthesis



Ø 4.8 mm

Consider in addition 1.5 - 2.0
mm for the restorative material;

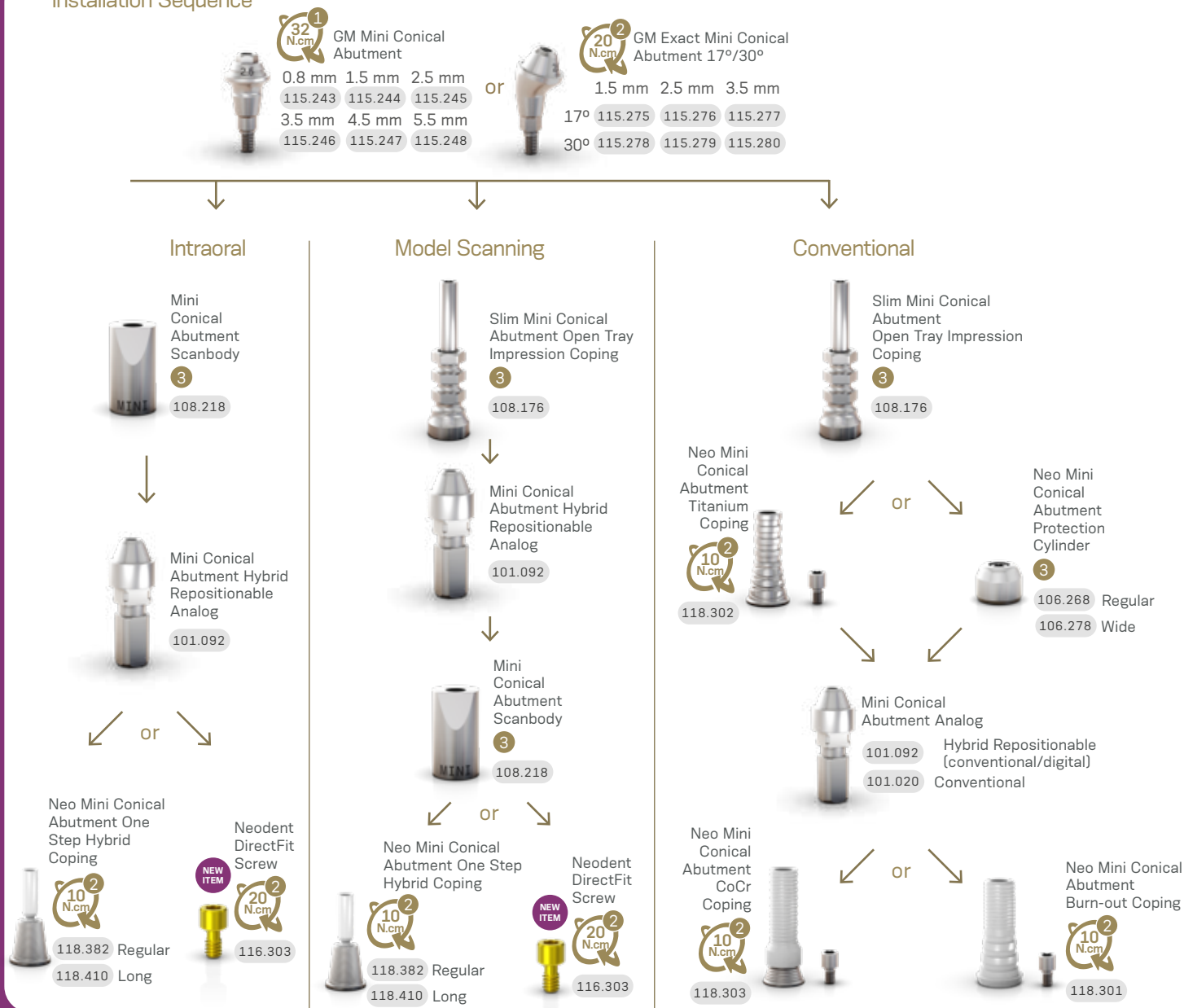
Minimum interocclusal space of 4.5 mm from
the mucosa level for straight abutments;



Exact;

Neo Removable Screw.

Installation Sequence



Drivers

- Hexagonal Prosthetic Driver + Torque Wrench
- Neo Screwdriver Torque Connection + Torque Wrench
- Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

- Replacement Abutment Screw
- 116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
- 116.292 Neo GM Screw (Long) - for abutments with 3.5 GH
- Sealing pin mini conical abutment one step hyb cop (5 un.) 118.411
- Mini Conical Abutment Polishing Protector 123.008
- Replacement Coping Screw
- 116.269 Titanium
- 116.270 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Abutment



Single-unit
screw-retained
prosthesis



Ø 4.8 mm

Recommended for posterior region.

Consider in addition 1.5 - 2.0 mm for the restorative material;
Minimum interocclusal space of 4.9 mm from the mucosa level;
With internal threads for a secure engagement of the screw;
Exact;
Neo Removable Screw;



Installation Sequence

0.8 mm 1.5 mm 2.5 mm GM Exact
115.269 115.270 115.271 Abutment with Neo
Removable Screw
3.5 mm 4.5 mm
115.272 115.273



Intraoral

Model Scanning

Conventional



Drivers



Accessories

Replacement Abutment Screw



116.290 Neo GM Screw (Short) - for abutment with 0.8 GH
116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH

Replacement Coping Screw



116.266 Titanium
116.267 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Micro Abutment



Single-unit
screw-retained
prosthesis



Multiple-unit
screw-retained
prosthesis



Ø 3.5 mm

Recommended for limited spaces and narrow inter-dental spaces.

Consider in addition
1.5 - 2.0 mm for the
restorative material;

Minimum interocclusal
space of 3.5 mm from
the mucosa level.



Installation Sequence

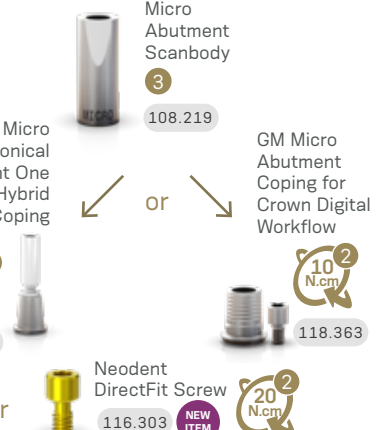
0.8 mm	1.5 mm	2.5 mm	GM Micro Abutment
115.255	115.256	115.257	
3.5 mm	4.5 mm	5.5 mm	
115.258	115.259	115.260	



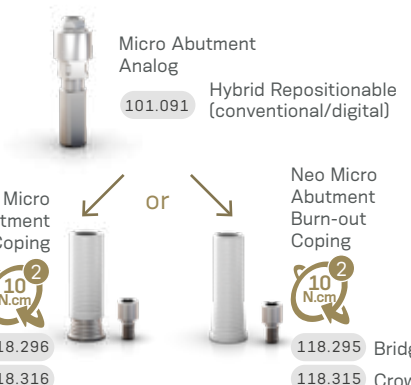
Intraoral



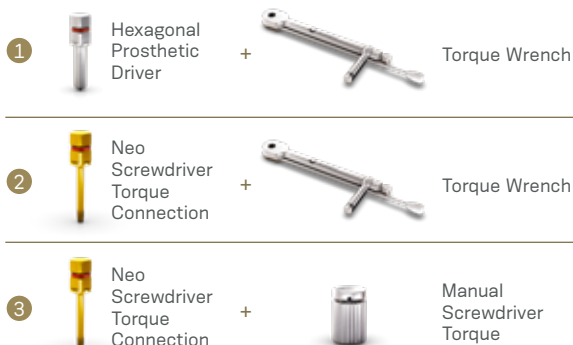
Model Scanning



Conventional



Drivers



Accessories



*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Titanium Base



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø 3.5/4.5/
5.5/6.5 mm

Customizable up to 4 mm high;

Cementable area: 6.0 or 4.0 mm;

With internal threads for a
secure engagement of the screw

Exact;

Neo Removable screw;

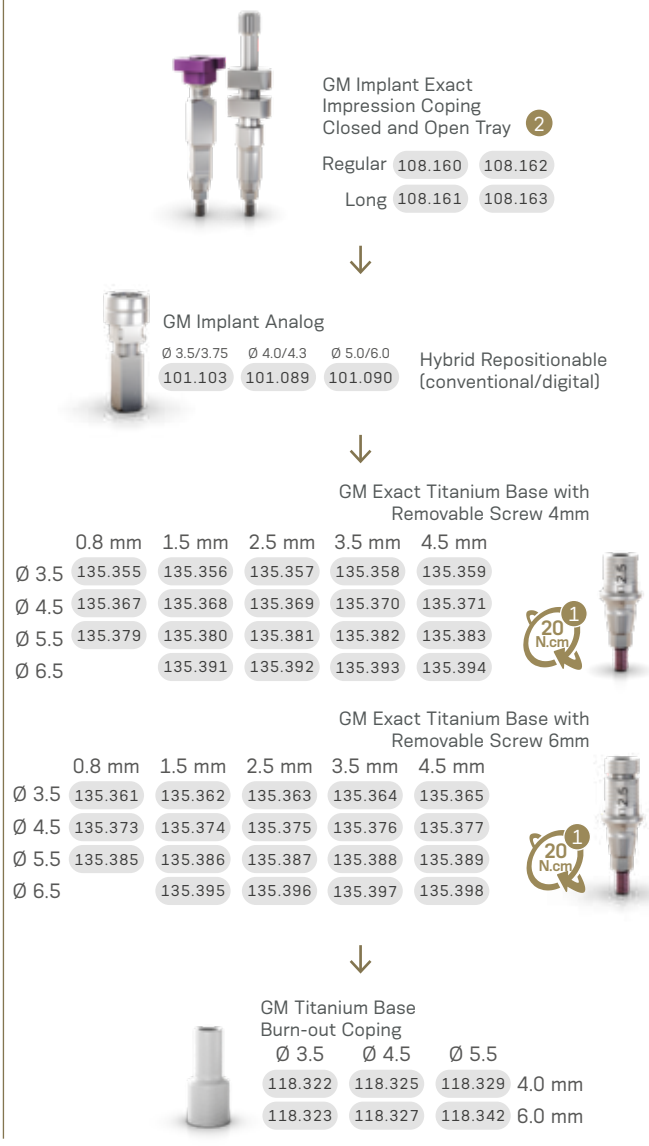
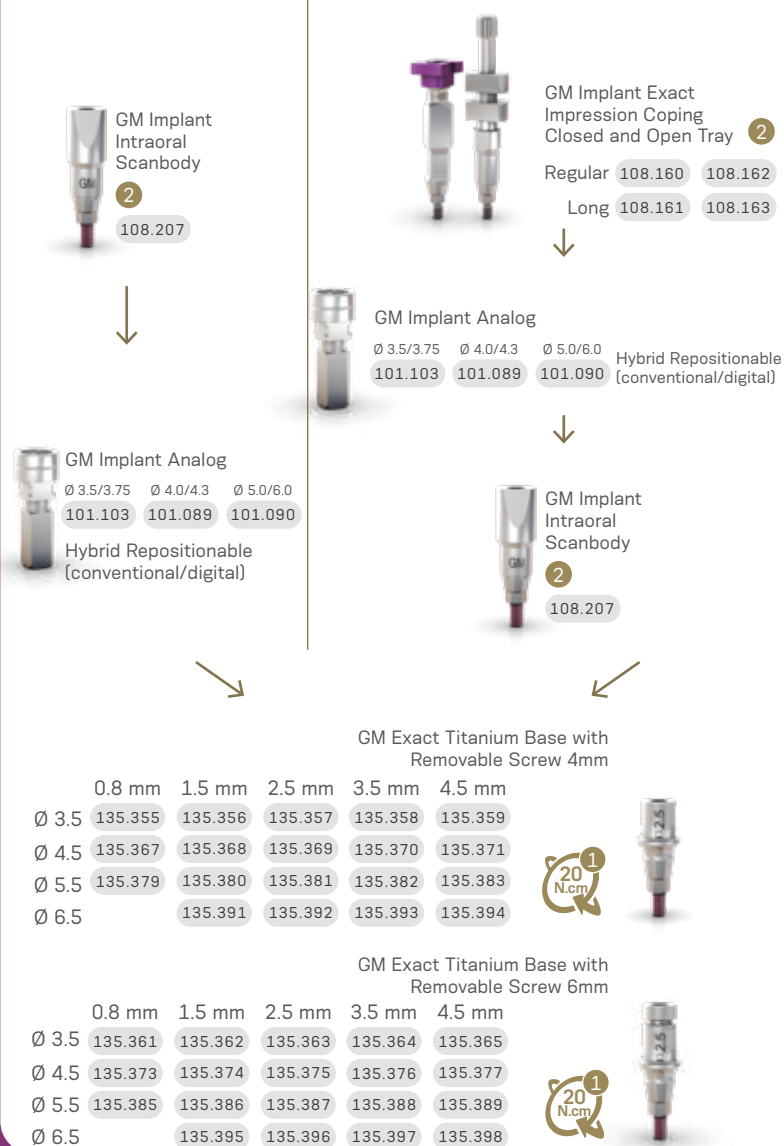


Installation Sequence

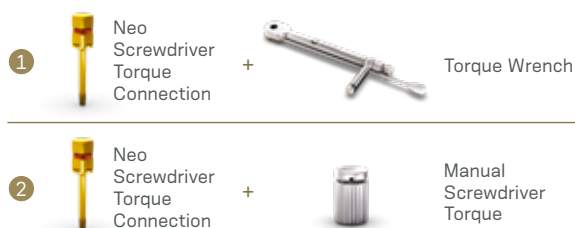
Intraoral

Model Scanning

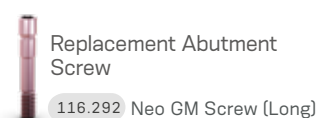
Conventional



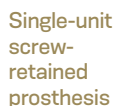
Drivers



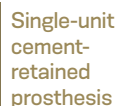
Accessories



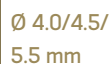
GM Titanium Base Angled Solution (AS)



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



With removable screw.



Installation Sequence

Intraoral



GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable
(conventional/digital)

Model Scanning



GM Implant Exact
Impression Coping
Closed and Open Tray 2

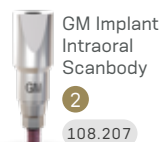
Regular	108.160	108.162
Long	108.161	108.163



GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable
(conventional/digital)



GM Implant
Intraoral
Scanbody
2
108.207

GM Titanium Base Angled Solution (AS) 4mm				or	GM Titanium Base Angled Solution (AS) 6mm				
	0.8 mm	1.5 mm	2.5 mm			0.8 mm	1.5 mm	2.5 mm	
Ø 4.0	135.327	135.328	135.329			Ø 4.0	135.330	135.331	135.332
Ø 4.5	135.333	135.334	135.335			Ø 4.5	135.336	135.337	135.338
Ø 5.5	135.339	135.340	135.341			Ø 5.5	135.342	135.343	135.344

Drivers



Angled Solution Screwdriver for Torque Wrench

- 105.150 Short
- 105.151 Regular
- 105.152 Long



Angled Solution Screwdriver for Contra-angle

- 105.147 Short
- 105.148 Regular
- 105.149 Long



Neo
Screwdriver
Torque
Connection
+

Manual
Screwdriver
Torque

Accessories

Replacement
Sterile Screw

116.288 Screw for GM
Titanium Base AS

GM Titanium Base for Bridge



Multiple-unit
screw-
retained
prosthesis



Ø 3.5/4.5/
5.5 mm

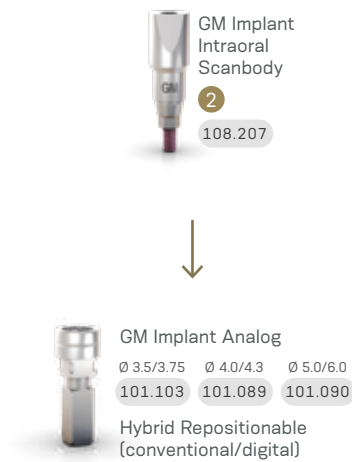
Cementable area:
4.0 mm for Ø 3.5
4.5 mm for Ø 4.5
and Ø 5.5.

With internal threads for
a secure engagement
of the screw;

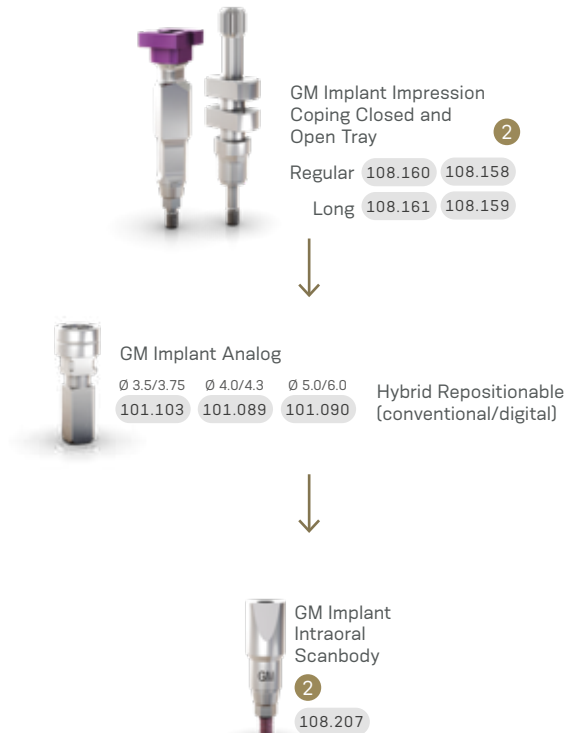
Neo Removable Screw.



Intraoral



Model Scanning

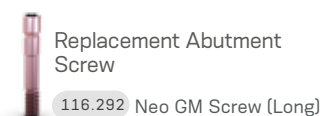


GM Titanium Base for Bridge	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.399	135.400	135.401	135.402	135.403
Ø 4.5	135.404	135.405	135.406	135.407	135.408
Ø 5.5	135.409	135.410	135.411	135.412	135.413

Drivers



Accessories



Titanium Base C for GM



Single-unit
screw-retained
prosthesis



Single-unit
cement-retained
prosthesis



Ø 4.65 mm

Cementable area: 4.7 mm;

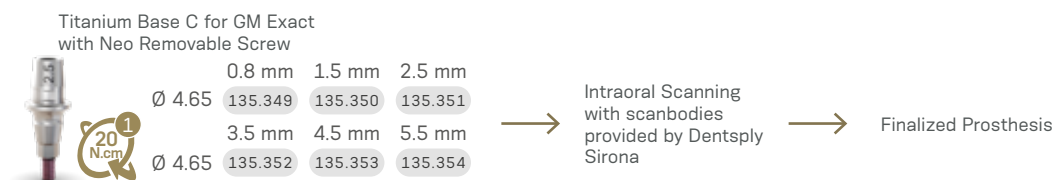
With internal threads for
a secure engagement
of the screw;

Exact;

Neo Removable Screw.



Installation Sequence



Workflow

Step 1

Gingiva height
selection and
ordering.



Select the Titanium Base C for
GM Exact gingival height.



Order the Titanium Base C
for GM Exact.
Please note that the scanbody
has to be purchased directly
from equipment manufacturer.

Step 2

Intra-oral
scanning.



Insert the Titanium Base for C in the Neodent
implant. In this step the Scanbase for C can be
used as alternate for scanning.



GH	GM Scanbase for C		
	0.8	1.5	2.5
108.228	108.229	108.230	
3.5	4.5	5.5	
108.231	108.232	108.233	



Insert Scanbody on the
Titanium Base or Scanbase
for C.

Step 3

Design and
milling.



Select in the CAD software the comparable
third-party Ti-base and perform the digital
design. When using the Scanbase for C always
refer to the same GH as the Titanium Base for C.



Mill the digital design.

Step 4

Finalization
and fixation.

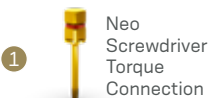


- Check the fit of milled
restoration in the patient's
mouth and adapt it, if
needed.
- Cement the restoration
on the Titanium Base C for
GM Exact and insert it into
the patient's mouth.

CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
Ti-base	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Grinding block	Implant manufacturer	Implant system
NBB 3.4 L						
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L	L	6431329	6431303	inCoris ZI meso L	Neodent®	GM, CM, HE, IIPlus
S BL 4.1 L						
BO 3.4 L						

Drivers



Torque Wrench

Accessories



Replacement Abutment
Screw

116.292 Neo GM Screw (Long)

GM Universal Abutment



Single-unit
cement-retained
prosthesis



Ø 3.3/4.5 mm

Cementable area: 4.0 or 6.0 mm;
Click retention for provisional copings;
With internal threads for a secure
engagement of the screw;
Exact;
Neo Removable Screw.



Installation Sequence

GM Exact Click Universal Abutment with Removable Screw								or GM Exact Click Universal Abutment 17° with Removable Screw				or GM Exact Click Universal Abutment 30° with Removable Screw			
	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm			1.5 mm	2.5 mm	3.5 mm		1.5 mm	2.5 mm	3.5 mm
4 mm Ø 3.3	114.826	114.827	114.828	114.829	114.830	114.831		4 mm Ø 3.3	114.802	114.803	114.804	4 mm Ø 3.3	114.814	114.815	114.816
4 mm Ø 4.5	114.838	114.839	114.840	114.841	114.842	114.843		4 mm Ø 4.5	114.808	114.809	114.810	4 mm Ø 4.5	114.820	114.821	114.822
6 mm Ø 3.3	114.832	114.833	114.834	114.835	114.836	114.837		6 mm Ø 3.3	114.805	114.806	114.807	6 mm Ø 3.3	114.817	114.818	114.819
6 mm Ø 4.5	114.844	114.845	114.846	114.847	114.848	114.849		6 mm Ø 4.5	114.811	114.812	114.813	6 mm Ø 4.5	114.823	114.824	114.825

Intraoral



Universal Abutment
Intraoral Scanbody

4 mm Ø 3.3	108.143	6 mm Ø 3.3	108.144
4 mm Ø 4.5	108.145	6 mm Ø 4.5	108.146



Universal abutment Hybrid
Repositionable analog

4 mm Ø 3.3	101.097	6 mm Ø 3.3	101.098
4 mm Ø 4.5	101.099	6 mm Ø 4.5	101.100

Milled crown

Conventional



Click Universal
Abutment
Impression Coping

4 mm Ø 3.3	108.172	6 mm Ø 3.3	108.173
4 mm Ø 4.5	108.174	6 mm Ø 4.5	108.175



Click Universal
Abutment
Provisional Coping

4 mm Ø 3.3	118.304	6 mm Ø 3.3	118.305
4 mm Ø 4.5	118.306	6 mm Ø 4.5	118.307



Universal Abutment
Analog

4 mm Ø 3.3	101.097	6 mm Ø 3.3	101.098	Hybrid Repositionable (conventional/digital)
4 mm Ø 4.5	101.099	6 mm Ø 4.5	101.100	



Universal Abutment
Burn-out Coping

4 mm Ø 3.3	118.181	6 mm Ø 3.3	118.182
4 mm Ø 4.5	118.183	6 mm Ø 4.5	118.184

Drivers

1



Neo
Screwdriver
Torque
Connection



Torque Wrench

Accessories



Replacement
Abutment Screw

116.291	Neo GM Screw - for abutments with 0.8-2.5 GH
116.292	Neo GM Screw (Long) - for abutments with 3.5-5.5 GH

GM Anatomic Abutment



Single-unit
cement-retained
prosthesis

Recommended for anterior region.

Gingiva color for
esthetic outcomes;

Click retention for
provisional copings;

With internal threads for a secure
engagement of the screw;

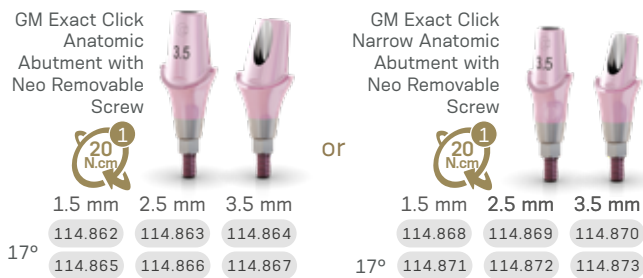
Exact;

Neo Removable Screw.



Installation Sequence

In Mouth



GM Exact Click Anatomic Abutment
Provisional Coping

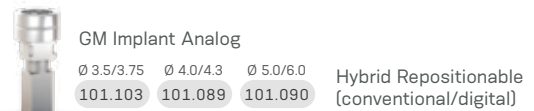


Impression of the GM Exact Click
Anatomic Abutment

Lab stage

Finalized prosthesis

In Lab



GM Exact Click Anatomic
Abutment Provisional Coping



Drivers



Accessories

Replacement
Abutment Screw

116.291 Neo GM Screw - for abutments with 0.8-2.5 GH

116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH

GM Titanium Block for MEDENTiKA Holder



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Multiple-unit
cement-
retained
prosthesis



Ø 11.5/
15.8 mm

Cementable area: 14.2 mm;

Exact.



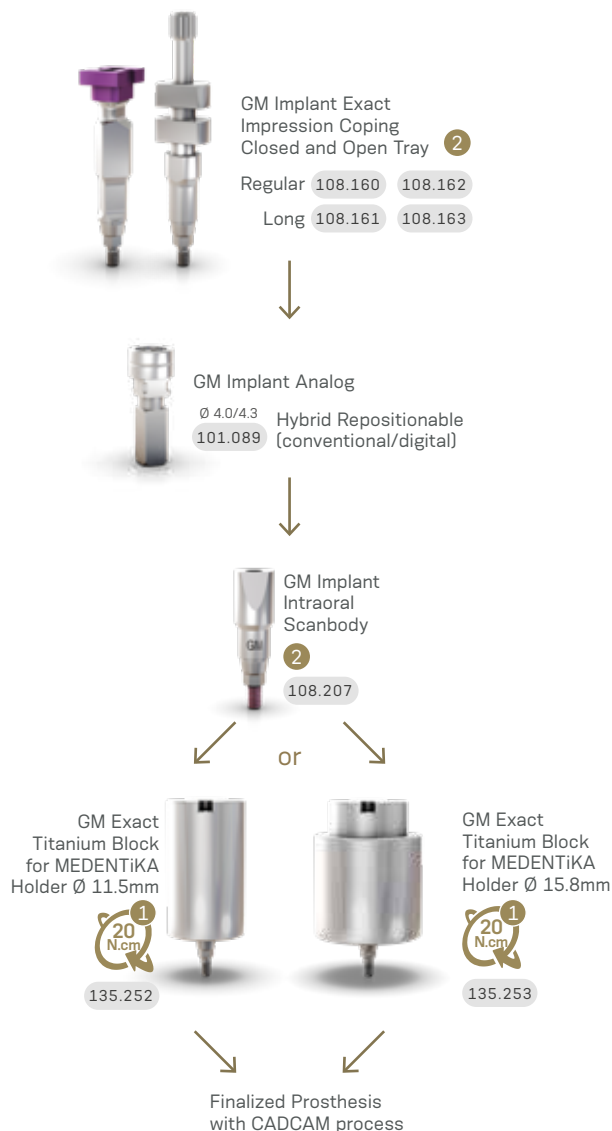
Screw sold separately.

Installation Sequence

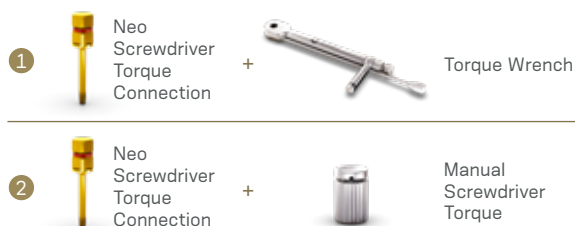
Complete Digital Workflow



Semi Digital Workflow



Drivers



Accessories



*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Titanium Block for AG Holder



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Multiple-unit
cement-
retained
prosthesis



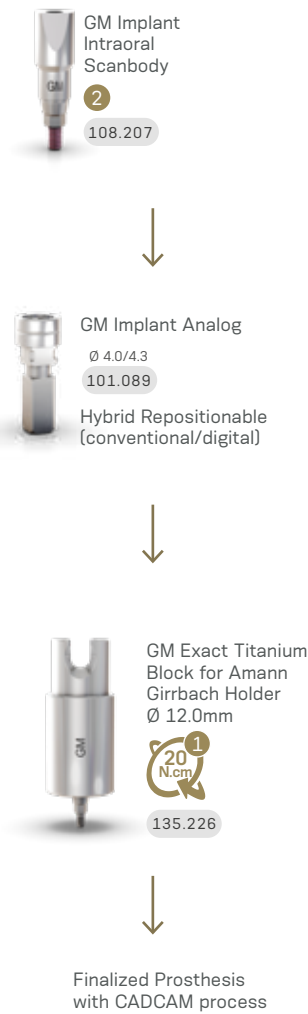
Ø 12.0 mm

Screw sold separately.

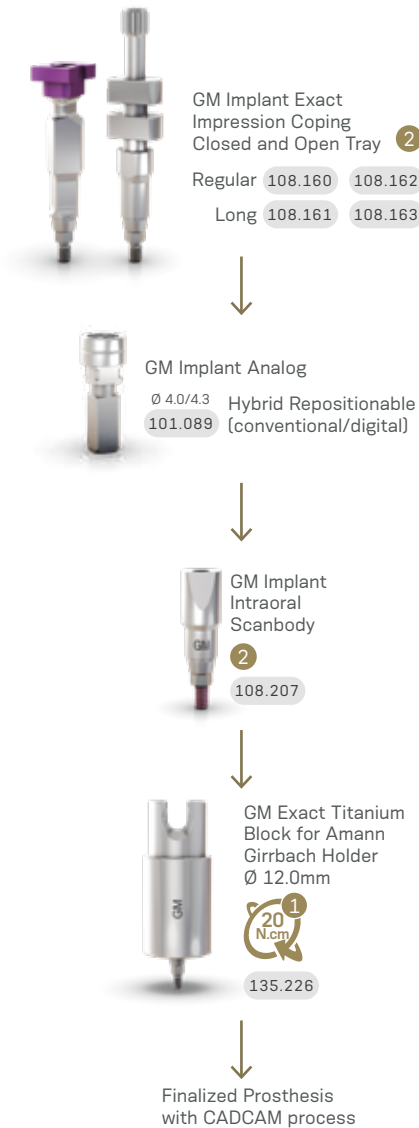


Installation Sequence

Complete Digital Workflow



Semi Digital Workflow



Drivers

①


Neo
Screwdriver
Torque
Connection

+


Torque Wrench

②


Neo
Screwdriver
Torque
Connection

+


Manual
Screwdriver
Torque

Accessories


Sterile Screws
sold separately

116.286 Titanium

116.285 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Multiple-unit screw-retained temporary prosthesis



Ø 3.5/
4.5 mm

Customizable area made of titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retentive grooves for acrylic material and allows customization.

Consider in addition 1.5 - 2.0 mm for the restorative material;

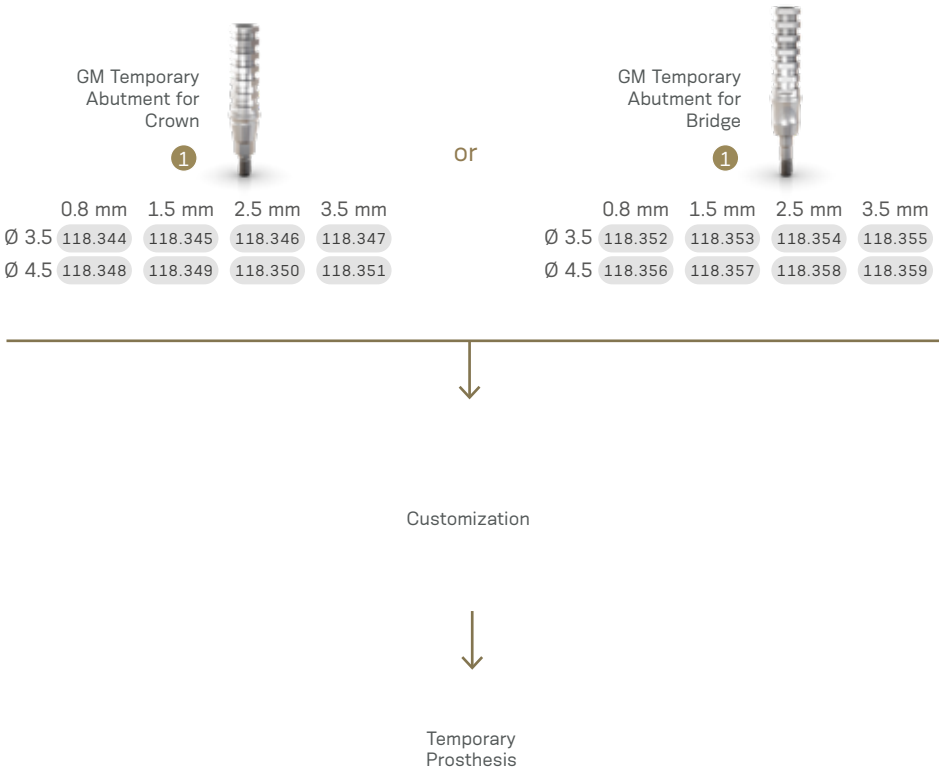
Channels of customizations;

Interocclusal height of 10 mm (can be customized up to 4.0 mm);

Exact.



Installation Sequence



Drivers



Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories



Replacement Sterile Screws

116.286 Titanium

116.285 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

GM Pro Peek Abutment



Single-unit
screw-retained
temporary
prosthesis



Single-unit
cement-retained
temporary
prosthesis



Ø 4.5/
6.0 mm

Biocompatible Peek of easy customization.

Consider in addition 1.5 - 2.0 mm for the restorative material;

Interocclusal height of 9.2 mm (can be customized up to 5.0 mm);

With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



Installation Sequence



Drivers

1



Neo
Screwdriver
Torque
Connection

+



Torque Wrench

Accessories

Replacement
Abutment Screw



116.291 Neo GM Screw - for abutments with 0.8-2.5 GH

116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH

GM CoCr Abutment



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø 4.1/4.5/
5.0 mm

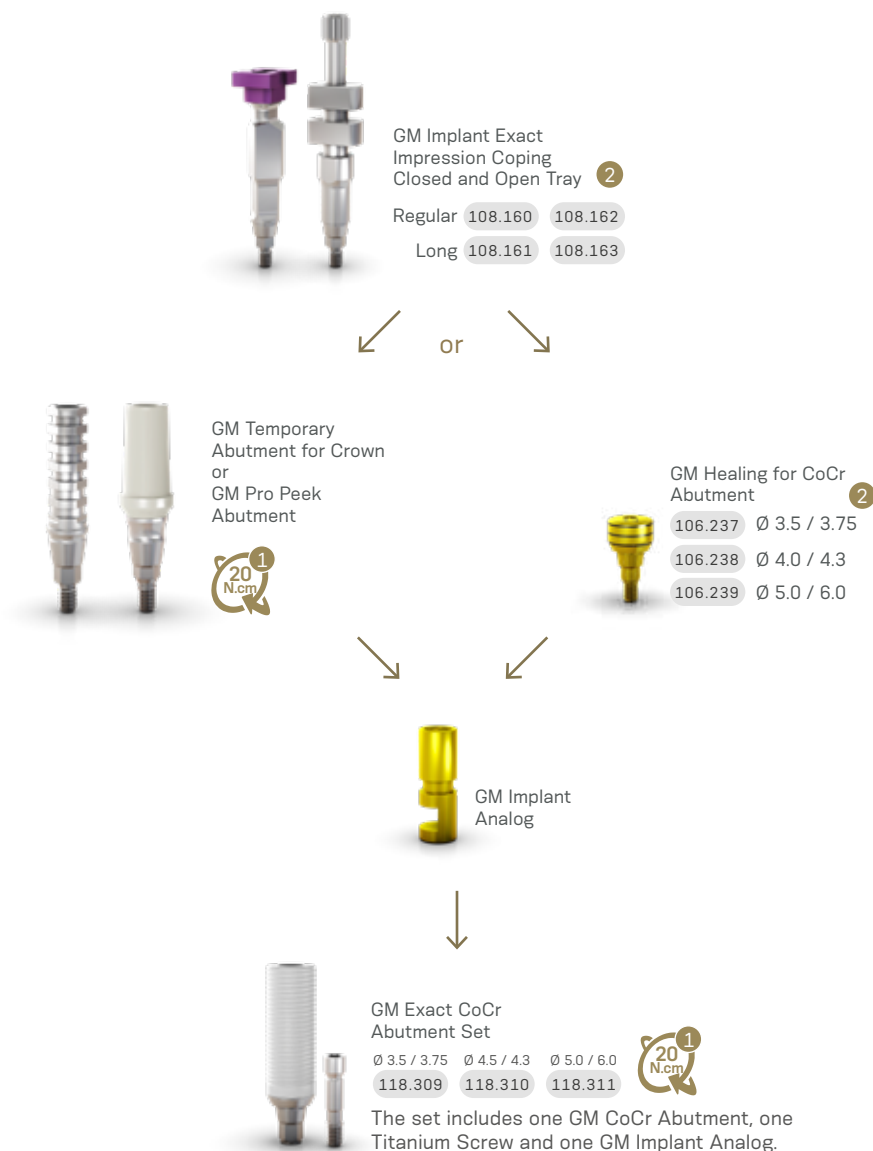
Consider in addition 1.5 - 2.0
mm for the restorative material;
Interocclusal height of 12 mm (can
be customized up to 5.0 mm);

For implants placed at bone level.

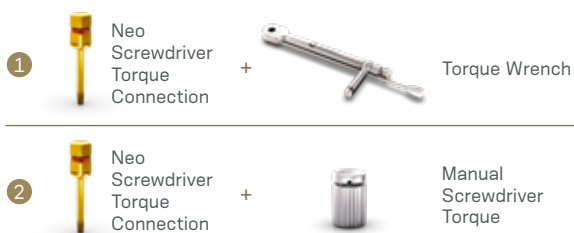
Exact.



Installation Sequence



Drivers



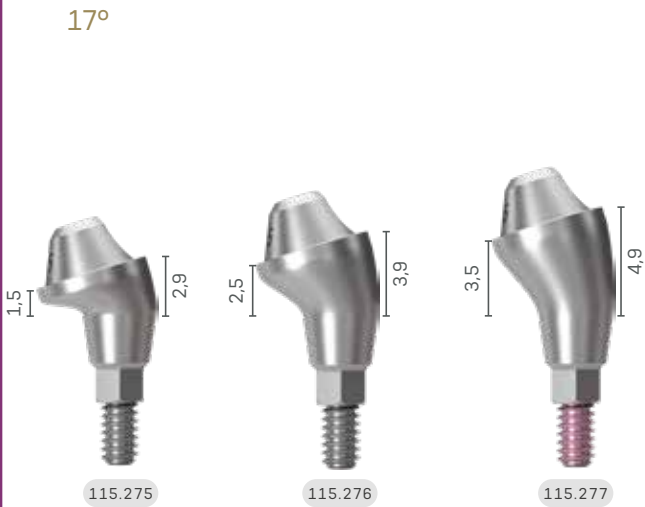
Accessories



*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Measurements GM

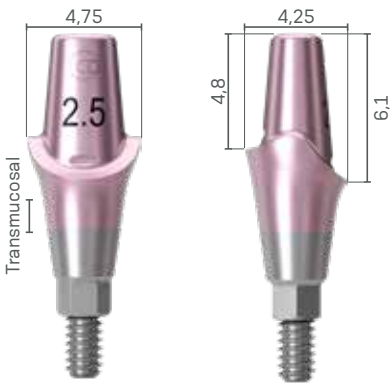
Mini Conical Abutment



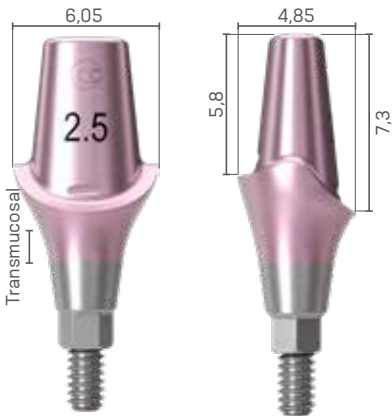
Measurements GM

Anatomic Abutment

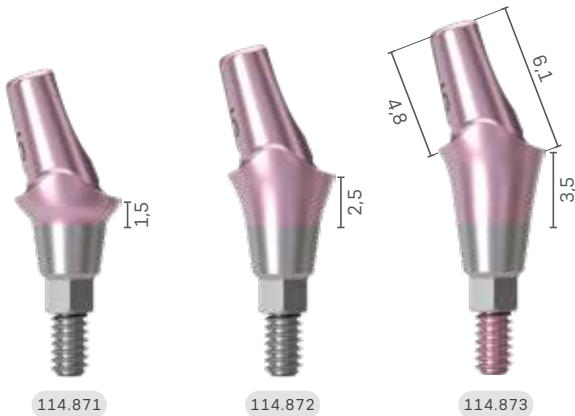
Narrow Anatomic Abutment



Anatomic Abutment



Narrow Anatomic Abutment 17°



Anatomic Abutment 17°

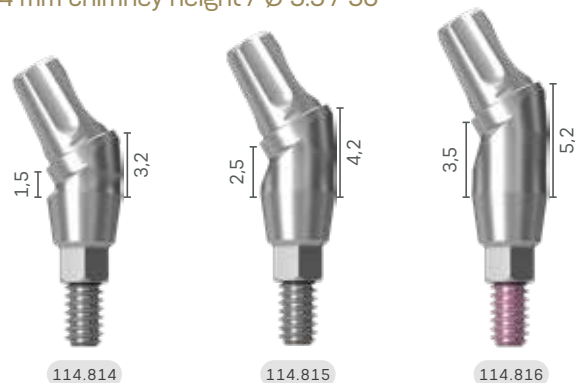


Measurements GM Universal Abutment

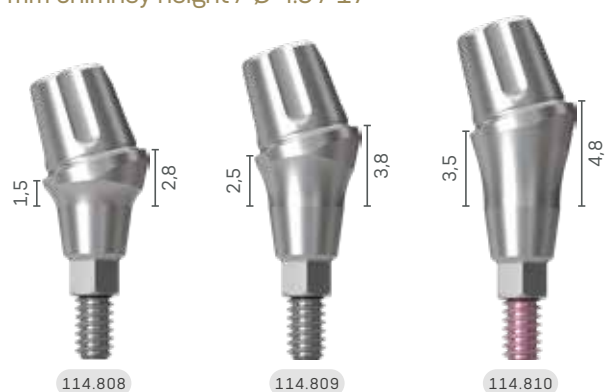
4 mm chimney height / Ø 3.3 / 17°



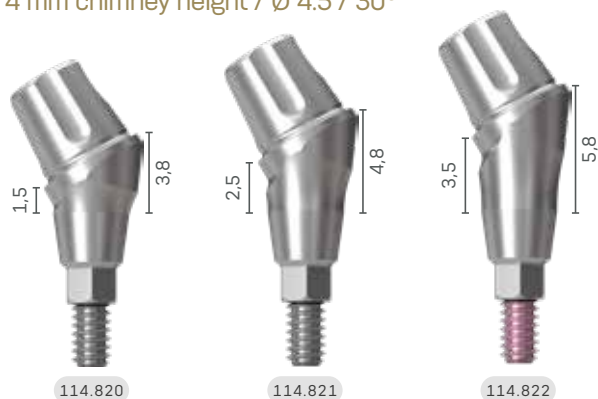
4 mm chimney height / Ø 3.3 / 30°



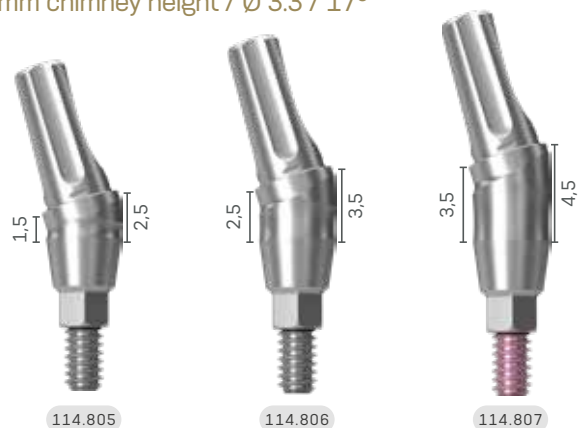
4 mm chimney height / Ø 4.5 / 17°



4 mm chimney height / Ø 4.5 / 30°



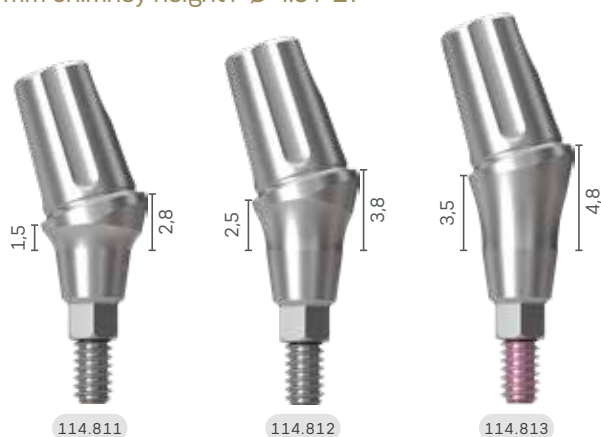
6 mm chimney height / Ø 3.3 / 17°



6 mm chimney height / Ø 3.3 / 30°



6 mm chimney height / Ø 4.5 / 17°



6 mm chimney height / Ø 4.5 / 30°



Grand Morse® Kits

Grand Morse® Surgical Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition with non-color coded drills, use code [110.302](#).



Articles

110.288 GM Surgical Kit Case
103.162 Twist Drill 2.0 Plus
103.213 Pilot Drill 2.0/3.0 Plus
103.164 Twist Drill 3.0 Plus
103.166 Twist Drill 3.3 Plus
103.167 Twist Drill 3.8 Plus
103.168 Twist Drill 4.3 Plus
103.163 Twist Drill 2.8 Plus
103.170 Initial Drill Plus
103.513 Pilot Drill GM 2.8/3.5
103.514 Pilot Drill GM 3.0/3.75
103.515 Pilot Drill GM 3.3/4.0
103.516 Pilot Drill GM 4.3
103.517 Pilot Drill GM 4.3/5.0

103.578 Tapered Contour Drill 3.5
103.579 Tapered Contour Drill 3.75
103.580 Tapered Contour Drill 4.0
103.581 Tapered Contour Drill 4.3
103.582 Tapered Contour Drill 5.0
103.425 Tapered Drill 2.0
103.561 Tapered Drill 3.5
103.564 Tapered Drill 3.75
103.567 Tapered Drill 4.0
103.570 Tapered Drill 4.3
103.573 Tapered Drill 5.0
103.576 Tapered Drill 6.0
105.168 GM Implant Driver - Contra-Angle
104.060 Neo Screwdriver (Medium)

105.130 GM Implant Driver - Torque Wrench (Long)
104.028 Manual Implant Driver - Contra-Angle
105.129 GM Implant Driver - Torque Wrench (Short)
128.019 Direction Indicator 2.8/3.5
128.020 Direction Indicator 3.0/3.75
128.021 Direction Indicator 3.3/4.0
128.022 Direction Indicator 3.6/4.3
128.023 Direction Indicator 4.3/5.0
128.028 Height Measurer GM
129.004 Depth Probe
129.001 Titanium Tweezers
104.050 Torque Wrench
103.426 Drill Extension

Note: Items that compose Neodent® Kits are sold separately.

Helix GM® Compact Surgical Kit

Autoclavable polymer case.

The Kit allows the installation of Helix GM® Implants in all bone types.
To order the pre-mounted version of the kit, with its complete composition with non-color coded drills, use code [110.303](#).



Articles

110.297 Helix GM® Compact Surgical Kit Case
103.170 Initial Drill
103.425 Tapered Drill 2.0
103.561 Tapered Drill 3.5
103.564 Tapered Drill 3.75
103.567 Tapered Drill 4.0
103.570 Tapered Drill 4.3
103.573 Tapered Drill 5.0
103.576 Tapered Drill 6.0
103.577 Tapered Drill 7.0 (Short)*
104.060 Neo Manual Screwdriver (Medium)
104.028 Manual Implant Driver - Contra-angle
103.426 Drill Extension
103.578 Tapered Contour Drill 3.5
103.579 Tapered Contour Drill 3.75
103.580 Tapered Contour Drill 4.0
103.581 Tapered Contour Drill 4.3
103.582 Tapered Contour Drill 5.0

105.168 GM Implant Driver - Contra-angle
105.130 GM Implant Driver - Torque Wrench (Long)
105.129 GM Implant Driver - Torque Wrench (Short)
103.513 GM Pilot Drill 2.8/3.5
103.514 GM Pilot Drill 3.0/3.75
103.515 GM Pilot Drill 3.3/4.0
103.516 GM Pilot Drill 4.3
103.517 GM Pilot Drill 4.3/5.0
128.028 GM Height Measurer
128.030 Angle Measurer for Drill 2.0 17°
128.031 Angle Measurer for Drill 2.0 30°
128.019 Direction Indicator 2.8/3.5
128.020 Direction Indicator 3.0/3.75
128.021 Direction Indicator 3.3/4.0
128.022 Direction Indicator 3.6/4.3
128.023 Direction Indicator 4.3/5.0
129.004 Depth Probe
104.050 Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.

*Tapered Drill 7.0 is not included in the pre-mounted kit composition (110.303).



Neodent controlsystem



TRUST YOURSELF

The surgical procedure for implant placement can be perceived as complex, especially when performed in the posterior regions with limited visibility, or in proximity with anatomical structures such as nerve canals. The Neodent® Control System brings confidence and efficiency building trust during the surgical procedure.

Protect anatomical structures

The placement of implants requires accuracy, and the Neodent® Control System has been designed to reduce the risk against overdrilling and protecting anatomical structures such as nerves, the sinus or adjacent roots by securing the final depth.

Master limited visibility

The Neodent® Control System helps to provide confidence during situations with reduced visibility due to adjacent teeth, limited mouth opening, blood, saliva, making it difficult to read the lines on a twisting drill by reaching the planned depth.



Intuitive solution

The Neodent® Control System is a color coded solution facilitating the identification of the drill sequence, the diameter and length of the implant and the combination of drill stop and drill.



Secure drill stop locking system

The Neodent® Control Drill Stop features a modern drill locking system enabling an easy and secure engaging into the drill, offering a peace-of-mind surgical experience.



Multiple use solution

The Neodent® Control Drill Stops are made of titanium for professional cleaning and autoclaving allowing multiple use.

User friendly kit retentive system

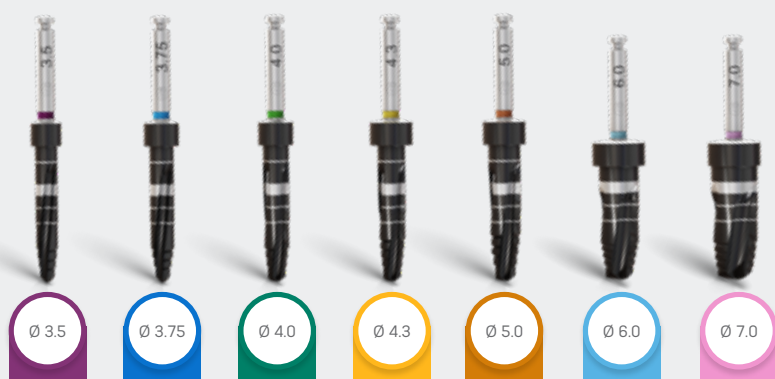
The Neodent® Control Drill Stop Kit includes an innovative retentive system.



click

A convenient and time-saving pick and drop mechanism during the surgical procedure.

Neodent® Color Code overview



Color code according to implant length



Laser-marked diameter

Compatible portfolio of Helix GM® Implants



Length	Diameter						
	3.5	3.75	4.0	4.3	5.0	6.0	7.0
8	✓	✓	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓	✓	✓
11.5	✓	✓	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓	✓	✓



DR ARANTZA RODRIGUEZ, from Spain

"Neodent®, compared to other brands, gives me security and long-term stability this is very confident for me and of course for my patient."

Helix GM® Compact Kit Control Stop Drills

Autoclavable polymer case.

The Kit allows the installation of Helix GM® Implants in all bone types, using the Neodent® Control Stop Drills.

To order the pre-mounted version of the kit, with its complete composition, use code [110.308](#).



Articles

- 110.297 Helix GM® Compact Surgical Kit Case
- 103.170 Initial Drill
- 103.492 Tapered Control Stop Drill 2.0
- 103.493 Tapered Control Stop Drill 3.5
- 103.494 Tapered Control Stop Drill 3.75
- 103.495 Tapered Control Stop Drill 4.0
- 103.496 Tapered Control Stop Drill 4.3
- 103.497 Tapered Control Stop Drill 5.0
- 103.498 Tapered Control Stop Drill 6.0 (Short)
- 103.499 Tapered Control Stop Drill 7.0 (Short)*
- 104.060 Neo Manual Screwdriver (Medium)
- 104.028 Manual Implant Driver - Contra-angle

- 103.426 Drill Extension
- 103.500 Tapered Control Stop Drill 3.5+
- 103.501 Tapered Control Stop Drill 3.75+
- 103.502 Tapered Control Stop Drill 4.0+
- 103.503 Tapered Control Stop Drill 4.3+
- 103.504 Tapered Control Stop Drill 5.0+
- 105.168 GM Implant Driver - Contra-angle GM
- 105.130 Implant Driver - Torque Wrench (Long)
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 103.513 Pilot Drill 3.5
- 103.514 Pilot Drill 3.75
- 103.515 Pilot Drill 4.0

- 103.516 Pilot Drill 4.3
- 103.517 Pilot Drill 5.0
- 128.028 GM Height Measurer
- 128.030 Angle Measurer for Drill 2.0 17°
- 128.031 Angle Measurer for Drill 2.0 30°
- 128.019 Direction Indicator 2.8/3.5
- 128.020 Direction Indicator 3.0/3.75
- 128.021 Direction Indicator 3.3/4.0
- 128.022 Direction Indicator 3.6/4.3
- 128.023 Direction Indicator 4.3/5.0
- 129.004 Depth Probe
- 104.050 Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.

*Tapered Control Stop Drill 7.0 is not included in the pre-mounted kit composition (110.308).

Control Drill Stop Kit

Autoclavable polymer case.

The Kit allows the sterilization and engagement of Neodent® Control Drill Stops on the drills.

To order the pre-mounted version of the kit, with its complete composition, use code [110.306](#).



Articles

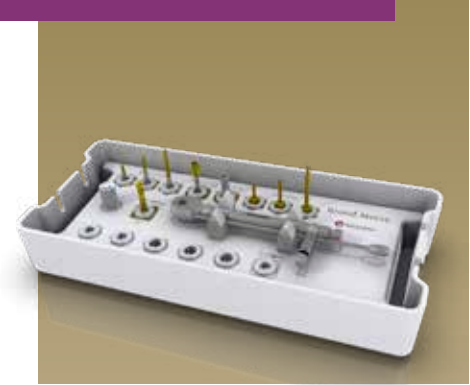
- 110.307 Control Drill Stop Kit Case
- 125.144 8.0 Control Drill Stop D2.0
- 125.145 10.0 Control Drill Stop D2.0
- 125.146 11.5 Control Drill Stop D2.0
- 125.147 13.0 Control Drill Stop D2.0
- 125.148 8.0 Control Drill Stop D3.5
- 125.149 10.0 Control Drill Stop D3.5
- 125.150 11.5 Control Drill Stop D3.5
- 125.151 13.0 Control Drill Stop D3.5
- 125.152 8.0 Control Drill Stop D3.75/4.0
- 125.153 10.0 Control Drill Stop D3.75/4.0
- 125.154 11.5 Control Drill Stop D3.75/4.0

- 125.155 13.0 Control Drill Stop D3.75/4.0
- 125.156 8.0 Control Drill Stop D4.3/5.0
- 125.157 10.0 Control Drill Stop D4.3/5.0
- 125.158 11.5 Control Drill Stop D4.3/5.0
- 125.159 13.0 Control Drill Stop D4.3/5.0
- 125.160 8.0 Control Drill Stop D6.0/7.0
- 125.161 10.0 Control Drill Stop D6.0/7.0
- 125.162 11.5 Control Drill Stop D6.0/7.0
- 125.163 13.0 Control Drill Stop D6.0/7.0

Note: Items that compose Neodent® Kits are sold separately.

Grand Morse® Prosthetic Kit

Autoclavable polymer case.
To order the pre-mounted version of the kit, with its complete composition, use code [110.304](#).



Articles

- 110.294 GM Prosthetic Kit Case
- 105.146 Neo Screwdriver Torque Connection - Contra-angle (Extra-short)
- 105.135 Neo Screwdriver Torque Connection - Contra-angle (Short)
- 105.160 Neo Screwdriver Torque Connection - Contra-angle (Long)
- 105.138 Hexagonal Prosthetic Driver - Contra-angle
- 105.137 Hexagonal Prosthetic Driver - Torque Wrench
- 105.133 Neo Screwdriver Torque Connection (Short) - Torque Wrench
- 105.132 Neo Screwdriver Torque Connection (Medium) - Torque Wrench
- 105.157 Neo Long Screwdriver for Torque Wrench
- 104.005 Manual Screwdriver Torque
- 128.028 GM Height Measurer
- 104.050 Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.

Grand Morse® Try-In Kit

Autoclavable polymer case.
To order the pre-mounted version of the kit, with its complete composition, use code [110.305](#).



Articles

- | | | |
|--------------------------------------|--|---|
| 110.295 GM Try-In Kit Case | 114.782 GM Abutment Try-In 4.5X6X4.5 | 114.793 GM Abutment Try-In 30° 4.5X6X1.5 |
| 114.772 GM Abutment Try-In 3.3X6X0.8 | 114.783 GM Abutment Try-In 4.5X6X5.5 | 114.794 GM Abutment Try-In 30° 4.5X6X2.5 |
| 114.773 GM Abutment Try-In 3.3X6X1.5 | 114.784 GM Abutment Try-In 17° 3.3X6X1.5 | 114.795 GM Abutment Try-In 30° 4.5X6X3.5 |
| 114.774 GM Abutment Try-In 3.3X6X2.5 | 114.785 GM Abutment Try-In 17° 3.3X6X2.5 | 114.796 GM Anatomic Abutment Try-In 1.5 |
| 114.775 GM Abutment Try-In 3.3X6X3.5 | 114.786 GM Abutment Try-In 17° 3.3X6X3.5 | 114.797 GM Anatomic Abutment Try-In 2.5 |
| 114.776 GM Abutment Try-In 3.3X6X4.5 | 114.787 GM Abutment Try-In 17° 4.5X6X1.5 | 114.798 GM Anatomic Abutment Try-In 3.5 |
| 114.777 GM Abutment Try-In 3.3X6X5.5 | 114.788 GM Abutment Try-In 17° 4.5X6X2.5 | 114.799 GM Lateral Anatomic Abutment Try-In 1.5 |
| 114.778 GM Abutment Try-In 4.5X6X0.8 | 114.789 GM Abutment Try-In 17° 4.5X6X3.5 | 114.800 GM Lateral Anatomic Abutment Try-In 2.5 |
| 114.779 GM Abutment Try-In 4.5X6X1.5 | 114.790 GM Abutment Try-In 30° 3.3X6X1.5 | 114.801 GM Lateral Anatomic Abutment Try-In 3.5 |
| 114.780 GM Abutment Try-In 4.5X6X2.5 | 114.791 GM Abutment Try-In 30° 3.3X6X2.5 | 104.058 Neo Manual Screwdriver (Short) |
| 114.781 GM Abutment Try-In 4.5X6X3.5 | 114.792 GM Abutment Try-In 30° 3.3X6X3.5 | 128.028 GM Height Measurer |

Note: Items that compose Neodent® Kits are sold separately.

Grand Morse® Instruments



Initial Drill

- :: Available in surgical steel;
- :: 2.0mm diameter.

103.170

Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® and Drive GM® Implants;
- :: With a color code according to the drill diameter.



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø 2.0	103.559	103.425	103.560
Ø 3.5	103.562	103.561	103.563
Ø 3.75	103.565	103.564	103.566
Ø 4.0	103.568	103.567	103.569
Ø 4.3	103.571	103.570	103.572
Ø 5.0	103.574	103.573	103.575
Ø 6.0	103.576		
Ø 7.0	103.577		

Tapered+ Drills

- :: For preparing the implant bed in bone types I and II for Helix GM® Implants;
- :: With a color code according to the drill diameter and 2 stripes of color for identification.



Ø 3.5+	103.578
Ø 3.75+	103.579
Ø 4.0+	103.580
Ø 4.3+	103.581
Ø 5.0+	103.582

Pilot Drills

- :: Available in surgical steel;
- :: Increasing the surgical alveolus diameter ridge, easing the penetration of the next drill or the implant.



Ø 2/3	103.213		
Ø 3.5	103.513	Ø 5.0	103.517
Ø 3.75	103.514	Ø 3.8/4.3	103.214
Ø 4.0	103.515	Ø 4.3/5.3	103.215
Ø 4.3	103.516	Ø 5.3/6	103.221

Twist Drills

- :: Available in surgical steel;
- :: Drill sequence for Titamax GM® Implants.



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø 2.0	103.222	103.162	103.228
Ø 2.8	103.223	103.163	103.229
Ø 3.0	103.224	103.164	103.230
Ø 3.3	103.225	103.166	103.231
Ø 3.8	103.226	103.167	
Ø 4.3	103.227	103.168	

Tapered Control Stop Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Implants;
- :: Attachment to engage drill stops;
- :: With a color code according to the drill diameter.



Ø 2.0	103.492	Ø 4.3	103.496
Ø 3.5	103.493	Ø 5.0	103.497
Ø 3.75	103.494	Ø 6.0	103.498
Ø 4.0	103.495	Ø 7.0	103.499

Tapered+ Control Stop Drills

- :: Available in surgical steel;
- :: For preparing the implant bed in bone types I and II for Helix GM® Implants;
- :: Attachment to engage drill stops;
- :: With a color code according to the drill diameter and 2 stripes of color for identification.



Ø 3.5+	103.500	Ø 4.3+	103.503
Ø 3.75+	103.501	Ø 5.0+	103.504
Ø 4.0+	103.502		

Control Drill Stops

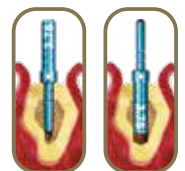
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



	8 mm	10 mm	11.5 mm	13 mm
Ø 2.0	125.144	125.145	125.146	125.147
Ø 3.5	125.148	125.149	125.150	125.151
Ø 3.75/4.0	125.152	125.153	125.154	125.155
Ø 4.3/5.0	125.156	125.157	125.158	125.159
Ø 6.0/7.0	125.160	125.161	125.162	125.163

Direction Indicators

- :: Available in titanium;
- :: Instrument to guide the implant position;
- :: Diameter of central band corresponds to GM Implant diameter;
- :: Smaller side to be used after Ø2.0mm drill;
- :: Larger side to be used after the last drill before implant installation.



2.8/3.5	128.019	3.6/4.3	128.022
3.0/3.75	128.020	4.3/5.0	128.023
3.3/4.0	128.021		

Drill Extension

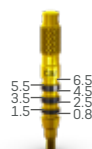
- :: Available in surgical steel;
- :: Fit the drill directly into the Drill Extension.



103.426

GM Height Measurer

- :: Available in titanium;
- :: For selecting GM prosthetic abutments;
- :: Marks corresponding to transmucosa heights.
- :: Can be used as X-Ray Positioner.



128.028



GM Implant Driver - Contra-Angle

- :: To capture the implant directly from the packaging;
- :: To place GM Implants with contra-angle, or attached to a manual driver for contra-angle connections (104.028) for hand placement;
- :: With six dimples to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque 35 N.cm.

Regular	Long
105.168	105.176



GM Implant Driver - Torque Wrench

- :: To place GM Implants with the Torque Wrench (104.050);
- :: With six marks to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque: 60 N.cm..

Short	Long
22 mm	30 mm
105.129	105.130



Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
16.5 mm	22 mm	32 mm
105.133	105.132	105.157



Neo Manual Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.070



Neo Screwdriver Torque Connection - Contra-angle

- :: Available in surgical steel;
- :: Yellow color for line identification;
- :: Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended for Impression Copings, Cover Screws and Healing Abutments.

Extra Short	Short	Long	Extra Long
16.5 mm	24 mm	31 mm	37 mm
105.146	105.135	105.160	105.167



Hexagonal Prosthetic Driver

- :: Available in surgical steel;
- :: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments.

Contra-angle	Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw
105.138	105.137	105.044	105.009



Angled Solution Screwdriver for Torque Wrench

- :: To place GM Titanium Bases for Angled Solution with torque wrench;
- :: Maximum torque of 20 N.cm.

Short	Medium	Long
16.5 mm	22.5 mm	28.5 mm
105.150	105.151	105.152



Angled Solution Screwdriver for Contra-angle

- :: To place GM Titanium Bases for Angled Solution with contra-angle;
- :: Maximum torque of 20 N.cm.

Short	Medium	Long
20 mm	26 mm	32 mm
105.147	105.148	105.149



GM Bone Profile Drill with Guide

- :: Available in surgical steel;
- :: Used in the surgical second step;
- :: Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.

103.424



Angle Measurer for Drill 2.0

- :: Available in titanium;
- :: Angles: 17° and 30°;
- :: To select and plan the abutments angulation during surgical procedures;
- :: Suggested use: after Twist Drill 2.0.

17°	30°
128.030	128.031



GM Angle Measurer

- :: Available in titanium;
- :: Angles: 17° and 30°;
- :: To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

17°	30°
128.032	128.033



Control Stop Kit Holder

- :: Available in polymer;
- :: Replacement piecel;
- :: To keep the stops organized and to engage and remove them from the drills.

110.310

Manual Implant Drivers



- :: Available in surgical steel;
- :: For Contra-angle connections: connected to GM Implant Driver, it becomes a manual driver for implant placement.
- :: For Torque Wrench connections: connected to screwdrivers, it provides manual torque.

Contra-angle
Connections

104.028

Torque Wrench
Connections

104.005

Remover for Abutments with internal threads



- :: Available in surgical steel;
- :: To remove abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws

Regular
130.118

Long
130.114

Remover for Neo Screws



- :: Available in surgical steel;
- :: Compatible with Neo removable screws for abutments

Regular
130.119

Long
130.115

Torque Wrench



- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning.

104.050

Removal Sets for Abutments with internal threads and Neo Screws

- :: Available in surgical steel;
- :: To remove Neo Removable Screws and abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws



Regular
130.117

Long
130.116



Neodent easyguide

SIMPLICITY AT ONE HAND

Neodent® is designed to offer straightforward guided surgery techniques enabling predictable surgical results, efficient treatment protocols and patient treatment acceptance.



STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE

Surgical convenience with one-hand procedures



EFFICIENT TREATMENT PROTOCOLS

Intuitive and simple technique



PREDICTABLE SURGICAL RESULTS

Confidence for accurate implant positioning



PATIENT TREATMENT ACCEPTANCE

Communication building trust and patient engagement



NEODENT® EASYGUIDE ENABLES ONE-HAND PROCEDURES WITH NO DRILL HANDLES

Simple technique

Reduced number of instruments

Surgeries can be performed without assistance

ONE DRILL DESIGN

The unique geometry of the Neodent® EasyGuide tapered drills is indicated for all bone types and dismisses the need for additional drill types or taps, simplifying the drilling sequence.



COLOR CODE ACCORDING TO IMPLANT DIAMETER



BUILT-IN STOP FOR PHYSICAL DEPTH CONTROL, WRITTEN IDENTIFICATION OF THE SLEEVE DIAMETER.*



LASER-MARKED LENGTH



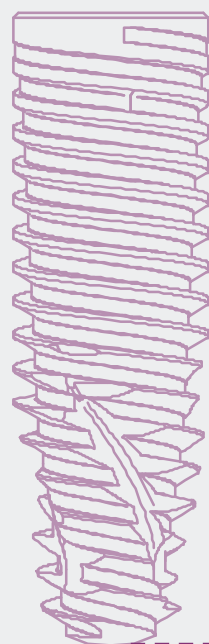
ACTIVE PORTION MATCHING IMPLANT LENGTHS

* NR: Narrow/Regular = 3.5/3.75mm implants - blue sleeve. RW: Regular/Wide = 4.0/4.3/5.0mm implants - silver sleeve.



DR FERNANDO DUQUE, from France

“ The Easy Guide is easy to use, I think it's completely friendly. The tools they provide us are easy to use and we can achieve excellent prosthetics and surgical outcomes with this. ”



1

2

3

4



FULLY GUIDED IMPLANT INSERTION

- Implant driver fits the sleeve, for a fully guided insertion with physical depth control;
- Offset: 10 mm.



FULLY GUIDED BED PREPARATION

- Intimate contact between drill and sleeve for accuracy in angulation;
- Depth control with stop drills,

1. DATA ACQUISITION

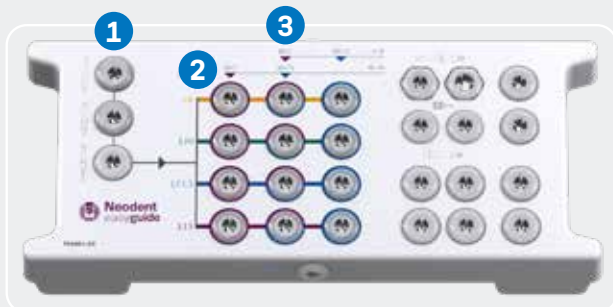
3D (CB)CT scan
(DICOM) Intraoral or lab
scanning (STL images)

3. SURGICAL GUIDE PRODUCTION

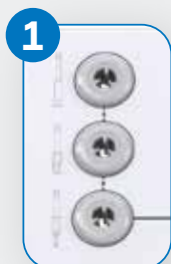
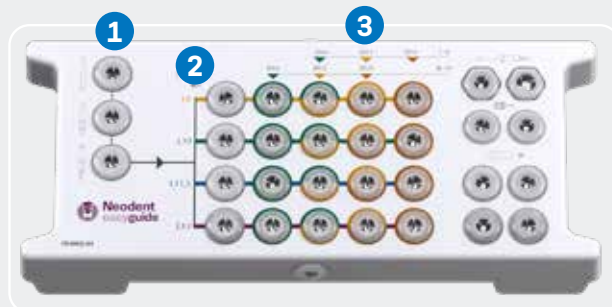
The surgical guide must contain
the sleeves that guide the
instruments and the implants.



EASYGUIDE KIT NARROW/REGULAR • Ø 3.5, Ø 3.75



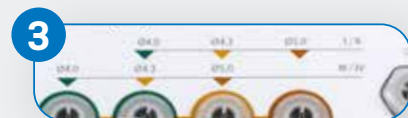
EASYGUIDE KIT REGULAR/WIDE • Ø 4.0, Ø 4.3, Ø 5.0



UNIQUE START
REGARDLESS
OF BONE TYPE



STRAIGHTFORWARD
IMPLANT LENGTH
IDENTIFICATION



COLOR CODED DRILL SEQUENCE
FOR EACH IMPLANT DIAMETER



NARROW SLEEVE: Ø3.5/Ø3.75



REGULAR SLEEVE: Ø4.0/Ø4.3/Ø5.0



DR MAJA CHMIELEWSKA, from Poland

“In the clinic, we do 100% of our surgeries guided, it's really helpful. The prosthodontic restoration in the end of the treatment, but also for patient comfort and for the fluency of our surgeries. I would strongly recommend to start this way! Easy Guides is very helpful and very fluent for our use and surgical practice.”

Neodent® EasyGuide Kits

Neodent® EasyGuide Kit for Narrow/Regular Diameter Implants

Autoclavable polymer case.

The kit allows the installation of Helix GM® Implants of Ø3.5 and Ø3.75 in all bone types, using the Neodent® EasyGuide Guided Surgery Technique. To order the pre-mounted version of the kit, with its complete composition, use code [110.341](#)



Articles

- 110.343 EasyGuide Kit Narrow/Reg. Diam. Tray
- 125.170 GM Narrow Stabilizer - 3 units per kit
- 105.169 GM Narrow Driver for Contra-angle
- 105.162 GM Narrow Driver for Torque Wrench
- 103.583 Narrow Mucosa Punch
- 103.630 Narrow Bone Leveling Drill
- 103.652 Narrow Initial Drill
- 103.653 Narrow Tapered Drill D3.5X8
- 103.654 Narrow Tapered Drill D3.5X10
- 103.655 Narrow Tapered Drill D3.5X11.5
- 103.656 Narrow Tapered Drill D3.5X13
- 103.657 Narrow Tapered Drill D3.5/3.75X8

- 103.658 Narrow Tapered Drill D3.5/3.75X10
- 103.659 Narrow Tapered Drill D3.5/3.75X11.5
- 103.660 Narrow Tapered Drill D3.5/3.75X13
- 103.661 Narrow Tapered Drill D3.75X8
- 103.662 Narrow Tapered Drill D3.75X10
- 103.663 Narrow Tapered Drill D3.75X11.5
- 103.664 Narrow Tapered Drill D3.75X13
- 104.060 Neo Manual Screwdriver (Medium)
- 103.665 Drill for Palatal Setter
- 125.176 Palatal Setter
- 103.395 Guided Surgery Drill 1.3
- 129.034 Depth Probe

- 125.142 Fixation Clamp - 3 units per kit
- 104.050 Torque Wrench
- 105.167 Long Neo Screwdriver for Contra-angle

Note: Items that compose Neodent® Kits are sold separately.

Neodent® EasyGuide Kit for Regular/Wide Diameter Implants

Autoclavable polymer case.

The kit allows the installation of Helix GM® Implants of Ø4.0, Ø4.3 and Ø5.0 in all bone types, using the Neodent® EasyGuide Guided Surgery Technique. To order the pre-mounted version of the kit, with its complete composition, use code [110.340](#)



Articles

- 110.344 EasyGuide Kit Reg./Wide Diam. Tray
- 125.171 GM Regular Stabilizer - 3 units per kit
- 105.170 GM Regular Driver for Contra-angle
- 105.164 GM Regular Driver for Torque Wrench
- 103.584 Regular Mucosa Punch
- 103.629 Regular Bone Leveling Drill
- 103.631 Regular Initial Drill
- 103.632 Regular Tapered Drill D2.7X8
- 103.633 Regular Tapered Drill D2.7X10
- 103.634 Regular Tapered Drill D2.7X11.5
- 103.635 Regular Tapered Drill D2.7X13
- 103.636 Regular Tapered Drill D4.0X8

- 103.637 Regular Tapered Drill D4.0X10
- 103.638 Regular Tapered Drill D4.0X11.5
- 103.639 Regular Tapered Drill D4.0X13
- 103.640 Regular Tapered Drill D4.0/4.3X8
- 103.641 Regular Tapered Drill D4.0/4.3X10
- 103.642 Regular Tapered Drill D4.0/4.3X11.5
- 103.643 Regular Tapered Drill D4.0/4.3X13
- 103.644 Regular Tapered Drill D4.3/5.0X8
- 103.645 Regular Tapered Drill D4.3/5.0X10
- 103.646 Regular Tapered Drill D4.3/5.0X11.5
- 103.647 Regular Tapered Drill D4.3/5.0X13
- 103.648 Regular Tapered Drill D5.0X8

- 103.649 Regular Tapered Drill D5.0X10
- 103.650 Regular Tapered Drill D5.0X11.5
- 103.651 Regular Tapered Drill D5.0X13
- 104.060 Neo Manual Screwdriver (Medium)
- 103.665 Drill for Palatal Setter
- 125.176 Palatal Setter
- 103.395 Guided Surgery Drill 1.3
- 125.142 Fixation Clamp - 3 units per kit
- 129.034 Depth Probe
- 104.050 Torque Wrench
- 105.167 Long Neo Screwdriver for Contra-angle

Note: Items that compose Neodent® Kits are sold separately.

Neodent® EasyGuide Instruments



Narrow Tapered Drills

- :: Available in surgical steel;
- :: For Helix GM® implants with Ø3.5 and Ø3.75 in diameter;
- :: Built-in stops for a fully-guided procedure;
- :: Color code according to implant diameter;
- :: Laser-marked length.

	Ø 3.5	Ø 3.5/3.75	Ø 3.75
8.0	103.653	103.657	103.661
10.0	103.654	103.658	103.662
11.5	103.655	103.659	103.663
13.0	103.656	103.660	103.664



Regular Tapered Drills

- :: Available in surgical steel;
- :: For Helix GM® implants with Ø4.0, Ø4.3 and Ø5.0 in diameter;
- :: Built-in stops for a fully-guided procedure;
- :: Color code according to implant diameter;
- :: Laser-marked length.

	Ø 2.7	Ø 4.0	Ø 4.0/4.3	Ø 4.3/5.0	Ø 5.0
8.0	103.632	103.636	103.640	103.644	103.648
10.0	103.633	103.637	103.641	103.645	103.649
11.5	103.634	103.638	103.642	103.646	103.650
13.0	103.635	103.639	103.643	103.647	103.651



Guided Surgery Drill 1.3 and Guide Clamp

- :: Drill available in stainless steel;
- :: Guide Clamp available in titanium;
- :: For initial fixation of the surgical guide.

Drill Ø 1.3	Guide Clamp
103.395	125.142



Drill and Palatal Setter

- :: Drill and Palatal Setter available in stainless steel;
- :: Palatal Setter placed with the GM Implant Driver for Contra-angle;
- :: Maximum torque of 20 N.cm.

Drill	Palatal Setter
103.665	125.176



Mucosa Punches

- :: Available in stainless steel;
- :: To remove the mucosa before beginning the osteotomy.
- :: Rotation recommended: 60 rpm.

Narrow	Regular
103.583	103.584



Bone Leveling Drills

- :: Available in stainless steel;
- :: Built-in stops;
- :: For flattening bone surface before osteotomy.

Narrow	Regular
103.630	103.629



Initial Drills

- :: Available in stainless steel;
- :: Built-in stops;
- :: For rupture of the cortical bone.

Narrow	Regular
103.652	103.631



GM Drivers for Contra-Angle

- :: Available in stainless steel;
- :: Color-coded according to the sleeve of the surgical guide;
- :: To start the implant placement through the surgical guide;
- :: Maximum torque 35 N.cm.

Narrow Regular
105.169 105.170



GM Drivers for Torque Wrench

- :: Available in stainless steel;
- :: To finish the implant placement through the surgical guide;
- :: Maximum torque 60 N.cm.

Narrow Regular
105.162 105.164



Guide Stabilizers

- :: Available in titanium;
- :: Color-coded according to the sleeve of the surgical guide;
- :: Additional fixation of the surgical guide.

Narrow Regular
125.170 125.171

Depth Probe

- :: Available in titanium;
- :: With marks matching the Helix GM® implant lengths.



129.034



Neo Manual Screwdriver

- :: Available in surgical steel and titanium.

Medium
25 mm

104.060



Neo Screwdriver Torque Connection - Contra-angle

- :: Available in stainless steel;
- :: Maximum torque 20 N.cm.

Long Extra Long
31 mm 37 mm

105.160 105.167



Torque Wrench

- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly and cleaning.

104.050

Sleeves for Neodent® EasyGuide

- :: Available in titanium;
- :: Sold in bags with 10 units each.



125.165 Regular Sleeve D5.2



125.168 Narrow Sleeve D3.93



125.177 Sleeve for Palatal Setter



125.143 Sleeve for Fixation Clamp

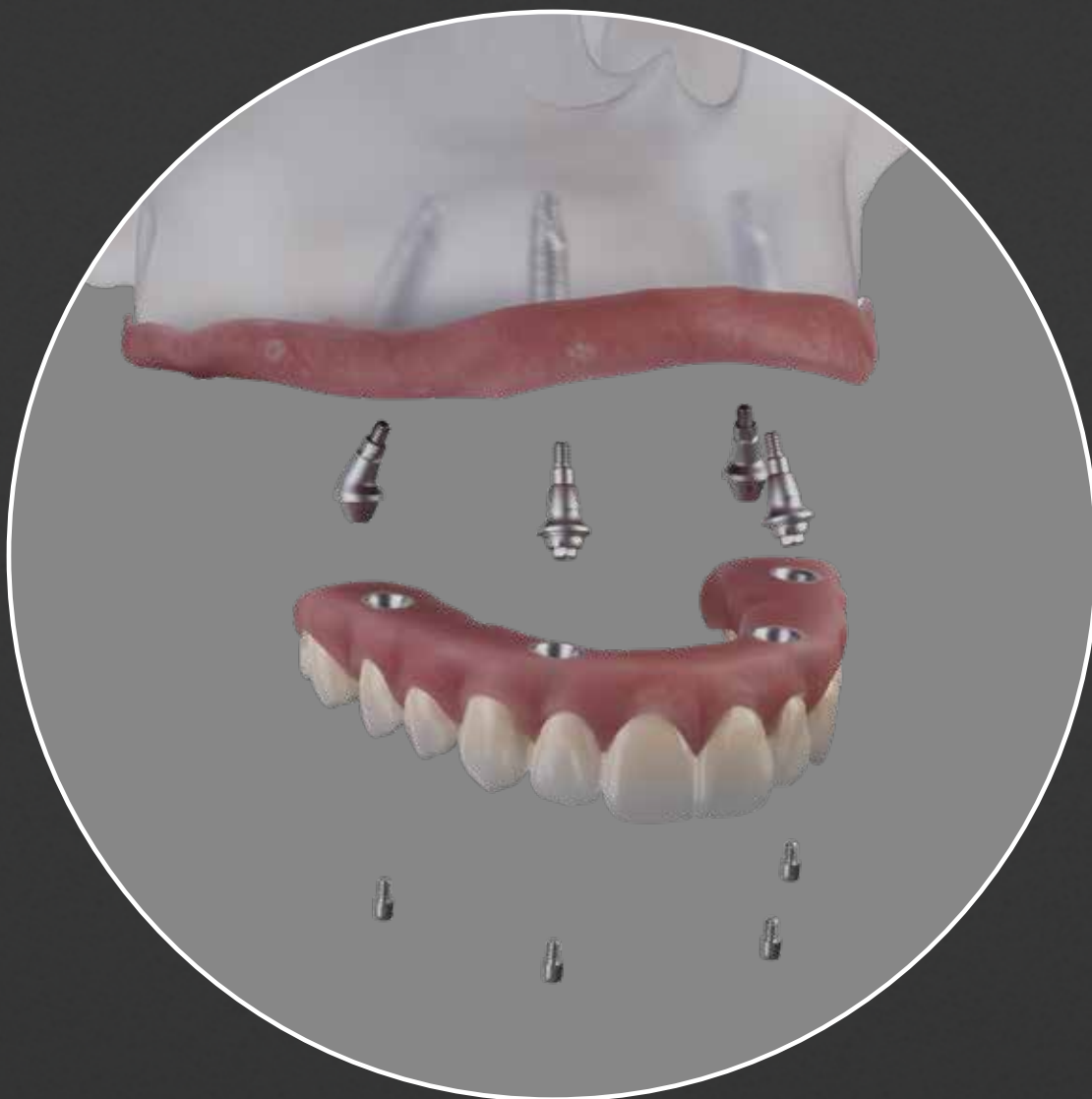


A SMILE FOR EVERYONE

NEODENT® NEOARCH®

IMMEDIATE FIXED FULL-ARCH SOLUTION

Increasing expectations for shortened treatment duration represent a significant challenge for dental professionals especially in patients with anatomical deficiencies. The Neodent® Implant System offers an optimized solution for immediate fixed treatment protocols in edentulous patients even with severe atrophic maxilla. Neodent® NeoArch® allows to significantly improve patient satisfaction and quality of life by immediately restoring function and esthetics⁽¹⁰⁾.



DR PEDRO RODRIGUES, from Portugal

“This amazing conical connection with these new abutments. It’s very, very nice because we can put your implants deep and you can keep that precious bone around the neck of the implant, and you put your abutment without using bone profiler, so you get the best outcome of soft tissues.”



Immediate function resulting in shorter treatment times.

- Different implants techniques to avoid the use of grafting procedure^(1,1).
- Optimized implant design to achieve high primary stability in all bone types^(1,2).



Immediate natural-looking esthetics with versatile restorative options.

- Broad range of gingival heights to attend varied clinical needs.
- Options of straight and angled abutments (0°, 17°, 30°, 45°, 52° & 60°).



Immediate peace of mind thanks to a stable foundation.

- One connection regardless of the diameters.
- Unique connection combining Platform Switching associated with a deep 16° Morse taper including an internal indexation.

SOLUTIONS FOR ALL CLINICAL NEEDS

A implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.



Helix GM®



Helix GM® Long



Zygoma GM™



Zygoma-S GM

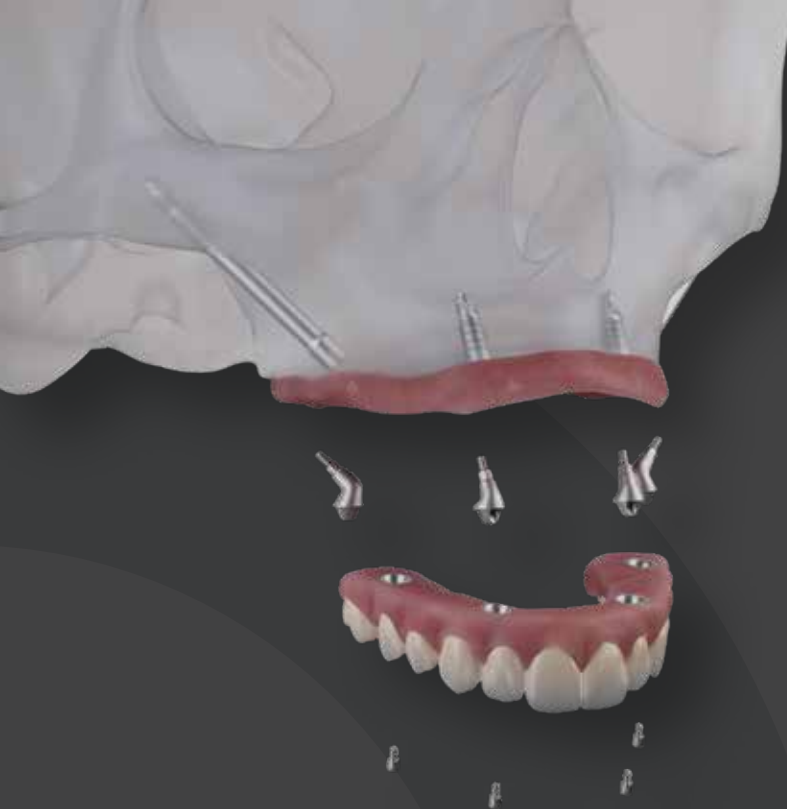


BONE RESORPTION



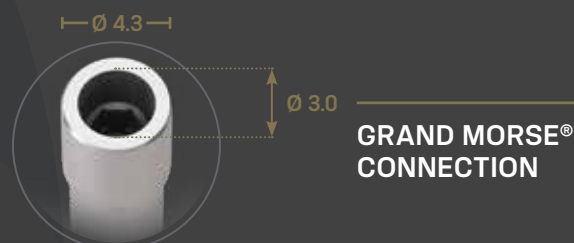
DR JOE BHAT, from United Kingdom

“NeoArch has transformed my full arch reconstructions in my practice. The amount of primary stability I guess in the GM implants is second to none. ”



Zygoma-S

Greatness in severe atrophic maxilla cases



Meeting edentulous patients' expectations of shorter treatment times and immediate aesthetic and functional improvements present significant challenges for clinicians, especially in patients with anatomical deficiencies. Neodent® GM Zygoma-S Implant System is part of the NeoArch® Grand Morse solution, and offers an optimized solution for immediate fixed treatment protocols in edentulous patients with severe atrophic maxilla, allowing significantly improve patient satisfaction^[10].

Visit our website to get further information about **Zygoma-S**.



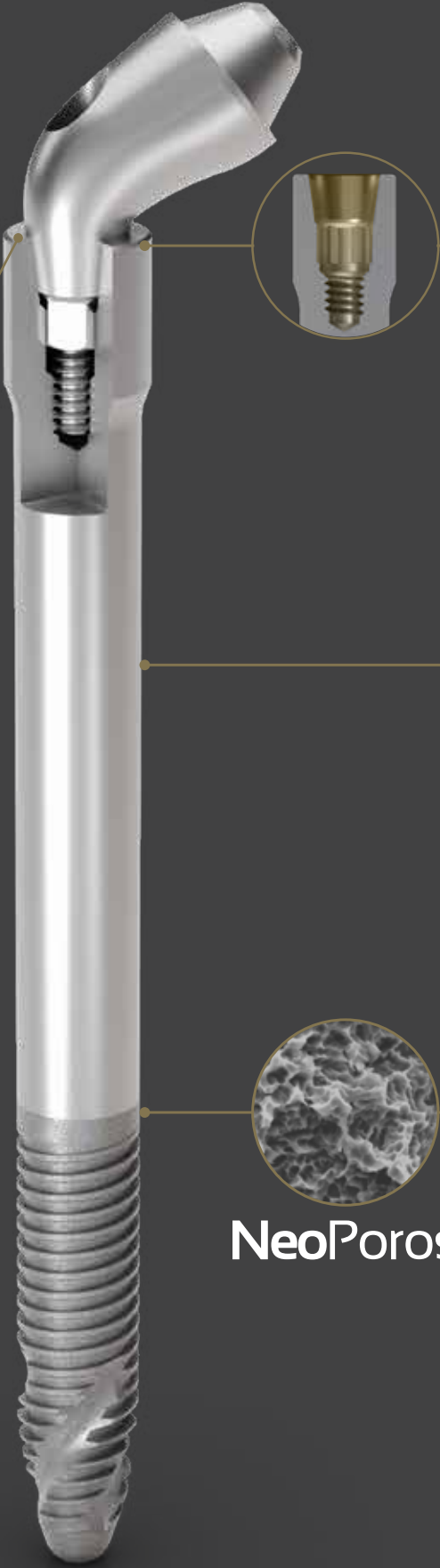
neodent.com/zygoma-s



Learn more about this **unique feature**:



neodent.com/zygoma-s_implant

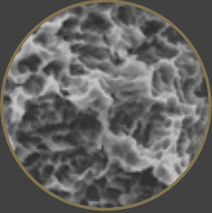


GRAND MORSE® CONNECTION: A STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS.

- One prosthetic connection for all Grand Morse® Implants: ease of use.
- 16° Morse Taper connection: designed to ensure a tight fit for an optimal connection seal.
- Platform switching morse taper connection: fulfils the platform switching concept.
- Deep Morse taper connection: designed for optimal load distribution.
- Internal Indexation: precise abutment positioning, protection against rotation and easy handling.

IMPLANT DESIGNED TO PROVIDE VERSATILE POSSIBILITIES OF PLACEMENT^[18], RESULTING IN ANATOMICAL EFFICIENCY

- Implant designed to extra maxillary or intra sinus cases.
- Associated with regular implants or Quad Zygoma placement.
- 3.5mm and 3.75mm of diameter.
- Smooth Machined Surface in the implant body maintains soft-tissue preservation^[12].
- Coronal portion with 4.3mm of diameter designed to ensure resistance and a tight fit for an optimal connection seal.
- Ten different lengths: 30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 mm.



HELIX® GRAND MORSE®: UNBEATABLE VERSATILITY.

- Progressive depth threads at the apical area allow under-prepping of the osteotomy.
- Apex with Neoporos surface, potentializing the osseointegration to enhance the zygomatic anchorage.
- Hybrid contour: enable stability with vertical placement flexibility.
- Dynamic progressive thread design designed to achieve high primary stability in all bone types.
- Active apex: self-tapping.

NeoPoros



A SMILE FOR EVERYONE

Neodent® Zygoma GM™, Helix GM® Long and GM Zygoma-S Implant Packaging

Neodent® packaging has been specially updated for easy handling and safe surgical procedures, providing safety from implant stocking to the capture and transport to implant bed. The implant's features, such as type, diameter and length, are identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allows traceability for all articles.



Package instruction of use

After opening the blister, note that the implant will remain attached at the lid. In order to break the base holder of the implant, hold the lid and apply a contra-torque with the GM Connection for contra-angle (a maximum torque of 20 N.cm). Or for manual installation, use the Zygoma GM™ Implant Driver with the Neo Screwdriver Torque Connection. Finish the implant placement with the aid of the Torque Wrench.



e-IFU – Electronic Instructions For Use

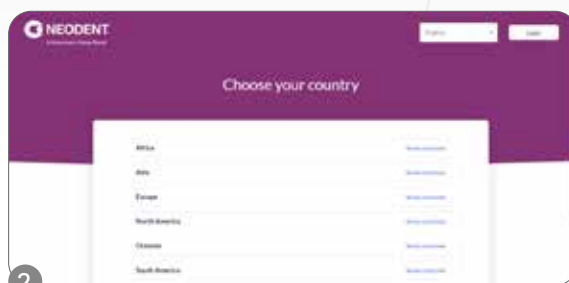
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en



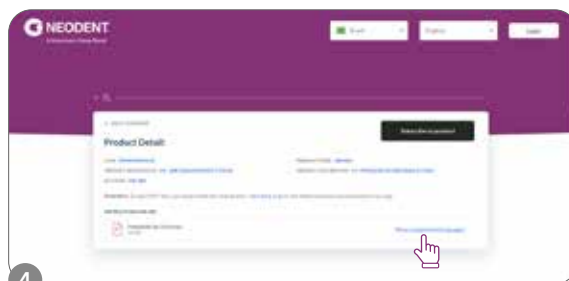
To access the IFU website, enter the address above in your browser.



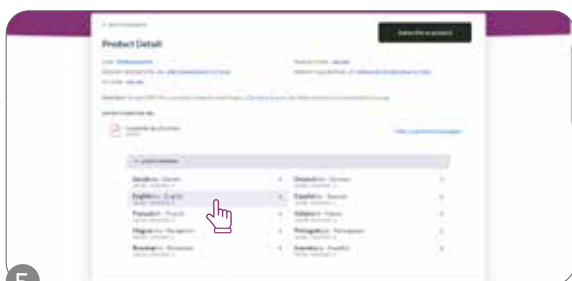
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

Helix GM[®] Long

PRODUCT FEATURES:

Implants Description:

- Full dual tapered implant;
- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- Active apex including a soft rounded small tip and helicoidal flutes;
- Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping threads on the apical part;
- Double lead threaded implant;
- Holder integrated to the implant body, which adapt in the packaging;
- Neoporos surface;
- Grand Morse[®] connection.

Indications:

- Indicated for surgical intraoral installation, in bone types III/IV for cases of total or partial edentulism and for multiple-unit prostheses.

Drilling features:

- For infraosseous positioning it is recommended to add 1 to 2 mm in length to the implant during surgical instrumentation.
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

Available with:

NeoPoros[®]



Drill Sequence



	Initial	Ø 2.35	Ø 3.75	Ø 4.0
	103.453	103.462	103.463	103.464
Ø 3.75 mm	Optional	✓	✓	
Ø 4.0 mm	Optional	✓	✓	✓

Bone types III and IV 

The procedure can be with Guided Surgery. Check the instruments for more information.

Helix GM® Long implants

	20.0 mm	22.5 mm	25.0 mm
Ø 3.75			
NeoPoros	109.1043	109.1044	109.1045
Ø 4.0			
NeoPoros	109.1046	109.1047	109.1048

GM Healing Abutment



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

:: Use the manual Neo Screwdriver (104.060);

:: Do not exceed the insertion torque of 10 N.cm.

GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

GM Cover Screw



0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

Zygoma GM™

PRODUCT FEATURES:

Implants Description:

- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
- Trapezoidal thread and progressive increase of the thread depth at the apical portion;
- Tissue Protect: portion without threads, near the cervical region, indexed to the hexagon face;
- Holder integrated to the implant body, which adapt in the packaging;
- Neoporos surface;
- Grand Morse® connection.

Indications:

- Indicated for surgical procedures in the the posterior region of the maxilla and in the zygoma, in cases of severe maxilla resorption. Zygomatic Implants may be used in immediate loading procedures when there is good primary stability and appropriate occlusal loading.

Drilling features:

- Drilling speed: 800-1200 rpm;
- Lateral Direction Drill speed: 600-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

Available with:

NeoPoros®



Drill Sequence



	Ø 2.35	Lateral Direction Ø 4.0	Pilot Ø 2.3/3.2	Ø 3.75	Ø 4.0
	103.455	103.458	103.465	103.456	103.457
Ø 4.0 mm	✓	Optional	Optional	✓	✓

The procedure can start guided. Check the instruments for more information.

Zygoma **GM™** Implants

30.0 mm 35.0 mm 37.5 mm 40.0 mm 42.5 mm 45.0 mm 47.5 mm 50.0 mm 52.5 mm 55.0 mm

Ø 4.0



NeoPoros 109.1049 109.1050 109.1051 109.1052 109.1053 109.1054 109.1055 109.1056 109.1057 109.1058

GM Cover Screw



0 mm 2 mm

117.021 117.022

:: Use the manual Neo Screwdriver (104.060);

:: Do not exceed the insertion torque of 10 N.cm.

GM Zygomax-S

PRODUCT FEATURES:

Implants Description:

- Hybrid contour with a cylindrical shape coronal and medium parts; conical shape on the apical area;
- Tissue Protect: Smooth machined surface in the implant body, designed for extramaxillary approaches.
- The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
- Trapezoidal thread and progressive increase of the thread depth at the apical portion;
- Holder integrated to the implant body, which adapt in the packaging;
- Neoporos surface;

Indications:

- Indicated for surgical procedures in the the posterior region of the maxilla and in the zygoma, in cases of severe maxilla resorption and an Zygomax-S was designed for extramaxillary Zygomatic Implants may be used in immediate loading procedures when there is good primary stability and appropriate occlusal loading.

Drilling features:

- Initial Drill speed: 600-1200 rpm
- Initial Lateral Cutting Drill speed: 20000 rpm (handpiece)
- Drilling sequence: 600-1200 rpm
 - Implant insertion speed: 30 rpm;
 - Maximum torque for implant placement: 60 N.cm.

Available with:

NeoPoros®



Drill Sequence

						
		Ø 2.35 103.455 71 mm		Ø 3.5 103.615 71 mm	Ø 3.75 103.617 71 mm	
		103.614 100 mm	Lateral cutting drill Ø 4.0	103.616 100 mm	103.618 100 mm	Pilot drill Ø 4.0
		103.454 guided	103.619			103.620
Ø 3.5 mm	Initial Drill 103.453	Initial lateral cutting drill 103.613	✓	Optional	✓	Optional
Ø 3.75 mm	Optional	Optional	✓	Optional	✓	Optional

GM Zygoma-S implants

	30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
Ø 3.5										
NeoPoros	109.1086	109.1087	109.1088	109.1089	109.1090	109.1091	109.1092	109.1093	109.1094	109.1095
Ø 3.75										
NeoPoros	109.1096	109.1097	109.1098	109.1099	109.1100	109.1101	109.1102	109.1103	109.1104	109.1105

GM Cover Screw



0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Mini Conical Abutment



Multiple-unit
screw-retained
prosthesis



Ø 4.8 mm

Consider in addition 1.5 - 2.0
mm for the restorative material;

Minimum interocclusal space of 4.5 mm from
the mucosa level for straight abutments;

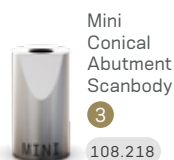
Exact;
Neo Removable Screw.



Installation Sequence

	GM Mini Conical Abutment			or	GM Exact Mini Conical Abutment 17°/30°/45° 45°/45° slim/52° 60°						
	0.8 mm	1.5 mm	2.5 mm		17°	30°	45°	45° slim	52°	60°	
1.5 mm	115.243	115.244	115.245		115.275	115.278	115.281	115.302	115.300	115.285	
2.5 mm	115.246	115.247	115.248		115.276	115.279	115.282	115.303	115.301	115.286	
3.5 mm					115.277	115.280					

Intraoral



Mini
Conical
Abutment
Scanbody
3

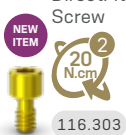
108.218



Mini Conical
Abutment Hybrid
Repositionable
Analog
101.092



Neo Mini Conical
Abutment One
Step Hybrid
Coping
10
118.382 Regular
118.410 Long



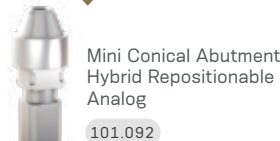
Neodent
DirectFit
Screw
2
116.303

Model Scanning



Slim Mini Conical
Abutment Open Tray
Impression Coping
3

108.176



Mini Conical Abutment
Hybrid Repositionable
Analog
101.092



Mini Conical
Abutment
Scanbody
3



Neo Mini Conical
Abutment One Step
Hybrid Coping
10
118.382 Regular
118.410 Long



Neodent
DirectFit
Screw
2
116.303

Conventional



Slim Mini Conical
Abutment
Open Tray Impression
Coping
3

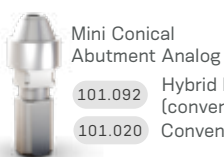
108.176



Neo Mini Conical
Abutment
Titanium
Coping
10
118.302



Neo Mini Conical
Abutment
Protection
Cylinder
3
106.268 Regular
106.278 Wide



Mini Conical
Abutment Analog
101.092 Hybrid Repositionable
(conventional/digital)
101.020 Conventional



Neo Mini Conical
Abutment
CoCr Coping
10
118.303



Neo Mini Conical
Abutment
Burn-out Coping
10
118.301

*The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S.

Drivers

1	Hexagonal Prosthetic Driver	+	Torque Wrench
2	Neo Screwdriver Torque Connection	+	Torque Wrench
3	Neo Screwdriver Torque Connection	+	Manual Screwdriver Torque

Accessories

Replacement Abutment Screw	
116.291 Neo GM Screw - for abutments with 1.5-2.5 GH	
116.292 Neo GM Screw (Long) - for abutments with 3.5 GH	
Sealing pin mini conical abutment one step hyb cop (5 un.)	118.411
Mini Conical Abutment Polishing Protector	123.008
Replacement Coping Screw	
116.269 Titanium	
116.270 Neotorque*	

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Measurements GM Mini Conical Abutment

17°



30°

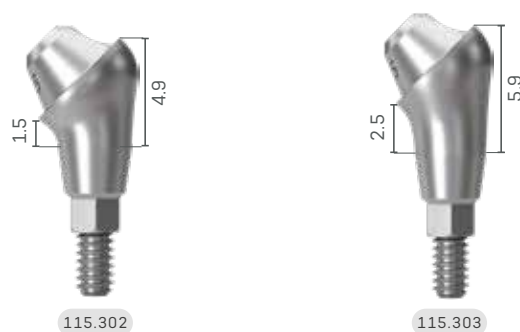


45°*



*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long, Zygoma GM™ and GM Zygoma-S.

45° slim*



The 45° Mini Conical Abutment Slim is indicated for use only with Zygoma GM™ and GM Zygoma-S.

52°*



The 52° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

60°*



*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.



THE **NEODENT®** TECHNIQUE FOR IMPROVING THE **CONVERSION** FROM **REMOVABLE** TO **FIXED DENTURES**.

Fixed full arch solutions have an important role in implant dentistry.(1) For patients, a life-time decision towards an improved quality of life. For dentists, the satisfaction of overcoming limitations to exceed expectations.

The challenges in this journey are directly related to decreasing the time for fixed teeth, and improving comfort during the procedures while keeping treatment affordability. All these aspects are crucial for decision-making, and the technique of choice has a relevant impact on the journey.

NeoConvert delivers a different way to transform smiles: a first step to full arch immediacy developed to enable temporary treatment with lower chair time and greater predictability with a straightforward workflow, whether performed chairside or in the lab.



THE FIRST STEP FOR IMMEDIACY: SIMPLE AS IT SHOULD BE

NeoConvert is a game-changing technique to convert removable to fixed dentures: the simplicity in every step for immediacy.



IMMEDIATE FULL ARCH TREATMENT: ONE STEP CLOSER TO EFFECTIVENESS

NeoConvert values your chair time with efficiency: full conversion technique in your hands with a straightforward workflow.

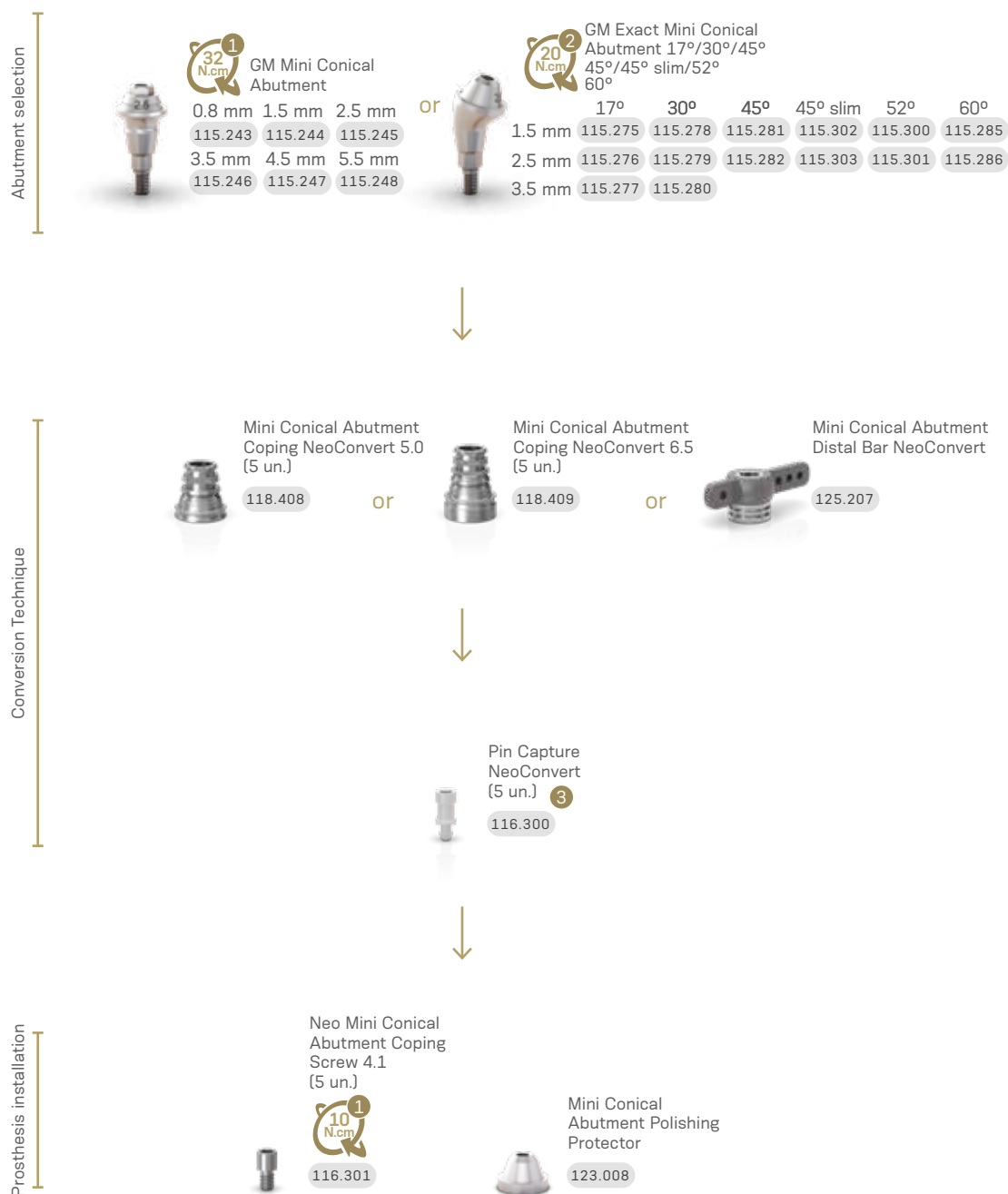


Discover the NeoConvert



neodent.com/neoconvert

Installation Sequence



*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long, Zygoma GM™ and GM Zygoma-S.

The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S.

*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

Drivers

- Hexagonal Prosthetic Driver 105.137 Regular + 105.182 Long **NEW ITEM** Torque Wrench 104.050
- Neo Screwdriver Torque Connection 105.132 Torque Wrench 104.050
- Digital Driver Pin Capture NeoConvert 104.074

Accessories

- Neoconvert Kit Case 110.339
- Drill Guide for Handpiece 1.5mm NeoConvert 125.206
- Preparation Drill Handpiece NeoConvert 103.676
- First Drill Handpiece NeoConvert 1.5mm 103.677
- Second Drill Handpiece NeoConvert 1.5mm 103.678
- Third Drill Handpiece NeoConvert 2.0mm 103.679

RevEx by Neodent®

Reliable digital solutions for full arches



*Does not include screw

INNOVATIVE DIGITAL SOLUTIONS FOR EFFECTIVE AND SIMPLIFIED FULL ARCH TREATMENTS

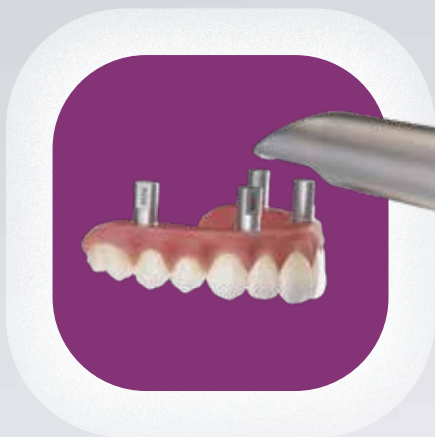
The technological advances of digital solutions are changing the future of dentistry, acting like a driving force for constant evolution with innovative solutions. Therefore, faster and more accessible treatments are desired, pushed by technology and services.

Simultaneously, the increase in the population life expectation² resulted in bigger demands for precise and highly efficient full arch treatments, focused on providing more comfort to the patient. However, the digital impression of full edentulous cases is still one of the major challenges to be faced in the digital workflow.^{3,4}

Considering this, the Neodent® RevEx was designed to enable an efficient digital workflow and deliver the final prosthesis for full arch cases. This is accomplished through the convenience of precise scanning, using the patient's temporary prosthesis as a reference, and the efficiency of an extraoral workflow. Connect the major features of NeoArch® portfolio by a simplified digital process.

Discover the RevEx by Neodent®

 neodent.com/discover-revex



PRECISE EXTRAORAL SCANNING

This technique can be used in upper or lower arches, but especially for challenging cases, when scanning may not be efficient enough due to:

- Absence of anatomic marks;
- Saliva presence, sensor blur;
- Lack of keratinized mucosa;
- Alveolar ridge resorption.

To solve that, the RevEx solution enables extraoral scanning in a controlled environment that allows accurate capture of the implants position.



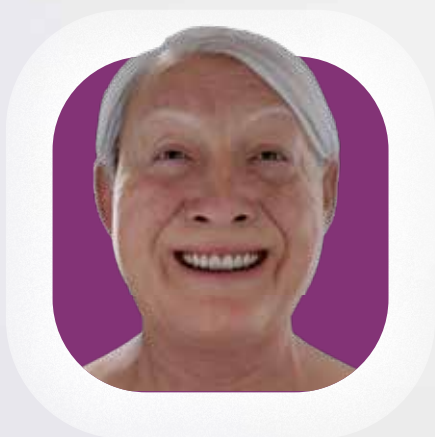
Get over the anatomic complications with extraoral scanning of the patient's temporary prosthesis

Increase your rehabilitation success rate by performing extraoral scanning. Intraoral scanning is only necessary to capture the patient's anatomy, while the implant positions are captured directly on the temporary prosthesis, outside the patient's mouth.⁵



Benefit from Neodent® multielement platform

Access the prosthetic Neodent® solutions through the Mini Conicals platform.



EFFICIENT DIGITAL WORKFLOW

The traditional workflow for designing and installing a full arch prosthesis can be time-consuming for both doctors and patients. The Neodent® RevEx was developed to enable an efficient and precise digital workflow, delivering the definitive prosthesis I without the need for additional costly techniques.



Reduce chair time to deliver the final prosthesis

Ensure the patient's comfort by lowering the number of appointments to place the final prostheses. Without the need of additional steps, RevEx offers a time reduction of 40%.⁶



ACTIVATE THE NEOARCH® POTENTIAL

The Neoarch® solution offers a comprehensive portfolio simplifying the journey between temporary and final prosthesis with RevEx.



RevEx is a digital connector to enable the Neoarch® solutions

Explore the Neodent® solutions with an established connection through the Mini Conicals prosthetic platform, from temporary prosthesis to Neoarch® final prosthesis.

[1] Papaspyridakos, P, Bedrossian, A, Kudara, Y, Ntovas, P, Bokhary, A, Chochlidakis, K. Reverse scan body: A complete digital workflow for prosthesis prototype fabrication. J Prosthodont. 2023; 32: 452–457. <https://doi.org/10.1111/jopr.13664>. [2] World Health Organization. Data: Health Life Expectancy at Birth. Available at: <https://data.who.int/indicators/i/48D9B0C/C64284D>. [3] Zhang YJ, Shi JY, Qian SJ, Qiao SC, Lai HC. Accuracy of full-arch digital implant impressions taken using intraoral scanners and related variables: A systematic review. Int J Oral Implantol (Berl). 2021 May 12;14(2):157-179. PMID: 34006079. [4] Jennes ME, Soetebeer M, Beuer F. In vivo full-arch accuracy of intraoral scanners: a narrative review. Int J Comput Dent. 2022 Mar 24;25(1):9-16. PMID: 35322648. [5] Carneiro Pereira, Ana Larisse et al. Factors that influence the accuracy of intraoral scanning of total edentulous arches rehabilitated with multiple implants: A systematic review Journal of Prosthetic Dentistry, Volume 129, Issue 6, 855 – 862. [6] Validação interna do Straumann Group.

GM Attachment TiN* for Removable Prostheses

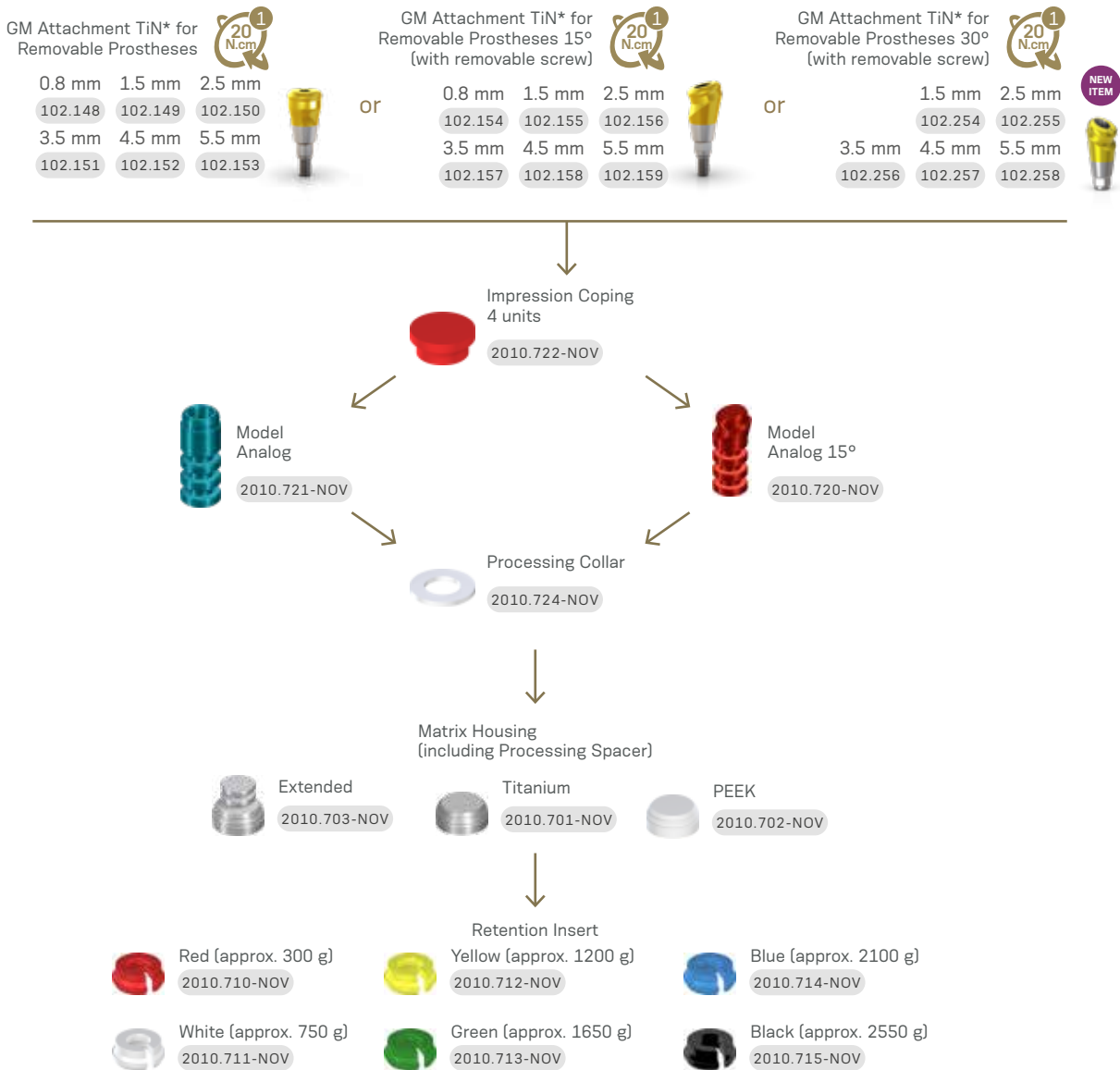


Overdenture

Angled version with removable screw.



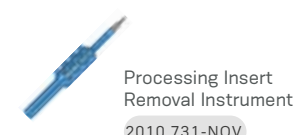
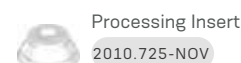
Installation Sequence



Drivers



Accessories



GM Mini Conical Abutment Coping for Removable Prosthesis



Overdenture

Recommended for overdentures in association with Mini Conical Abutments.

Installation Sequence



*The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S.

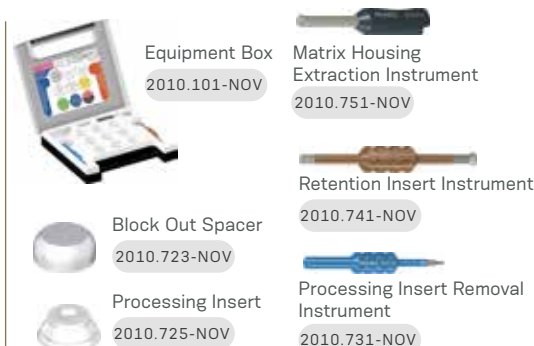
*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

Drivers



*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Accessories



NeoArch[®] Kits

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.



Articles

110.300	Helix GM® Long Compact Surgical Kit Case	103.453	Helix GM® Long Initial Drill 2.0mm	105.143	Regular Guided Surgery GM Connection for Torque Wrench
103.395	Guided Surgery Drill 1.3mm	103.462	Twist Drill For Helix GM® Long 2.35mm	105.172	Regular Guided Surgery GM Connection - Contra-angle
125.100	Guided Surgery Guide Clamp	103.463	Twist Drill For Helix GM® Long 3.75mm	104.060	Neo Manual Screwdriver (medium)
125.140	Drill Guide For NGS Helix GM® Long 2.0/2.35mm	103.464	Twist Drill For Helix GM® Long 4.0mm	105.129	GM Implant Driver - Torque Wrench (short)
125.141	Drill Guide For NGS Helix GM® Long 3.75/4.0mm	129.021	Helix GM® Long X-ray Positioner	105.168	GM Implant Driver - Contra-angle
103.459	Twist Drill For NGS Helix GM® Long 2.35mm	128.032	GM Angle Measurer 17°	104.050	Torque Wrench
103.460	Twist Drill For NGS Helix GM® Long 3.75mm	128.033	GM Angle Measurer 30°		
103.461	Twist Drill For NGS Helix GM® Long 4.0mm	128.034	GM Angle Measurer 45°		

Note: Items that compose Neodent® Kits are sold separately.

Zygoma GM™ Surgical Kit

Autoclavable polymer case.



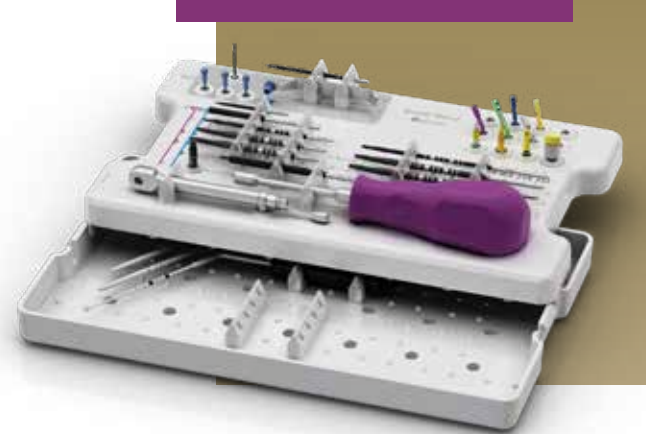
Articles

110.299	Zygoma GM™ Surgical Kit Case	103.457	Twist Drill For Zygoma GM™ 4.0mm	128.033	GM Angle Measurer 30°
103.395	Guided Surgery Drill 1.3mm	103.458	Lateral Direction Drill For Zygoma GM™ 4.0mm	128.034	GM Angle Measurer 45°
125.100	Guided Surgery Guide Clamp	103.465	Pilot Twist Drill For Zygoma GM™ 2.3/3.2mm	128.028	GM Height Measurer
125.139	Drill Guide For Ngs Zygoma GM™ 2.35mm	104.063	Zygoma GM™ Installation Driver	104.060	Neo Manual Screwdriver (medium)
103.454	Twist Drill For Ngs Zygoma GM™ 2.35mm	129.022	Zygoma GM™ Probe 2.35mm	105.129	GM Implant Driver - Torque Wrench (short)
103.455	Twist Drill For Zygoma GM™ 2.35mm	129.023	Zygoma GM™ Probe 4.0mm	105.168	GM Implant Driver - Contra-angle
103.456	Twist Drill For Zygoma GM™ 3.75mm	128.032	GM Angle Measurer 17°	104.050	Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.

GM Zygora-S Surgical Kit

Autoclavable polymer case.



Articles

110.321	GM Zygora-S surgical case	128.035	GM angle measurer, 60 degrees	103.617	Conical drill for Zygora-s, 3.75 x 71 mm
103.395	Guided surgery drill, 1.3	103.453	GM helix lg initial drill	103.618	Conical drill for Zygora-s, 3.75 x 100 mm
103.454	Twist drill for NGS GM zygomat, 2.35	105.168	GM contra-angle driver	103.620	Pilot drill for Zygora-s, 4.3
128.032	GM angle measurer, 17 degrees	105.129	GM short torque wrench driver	103.619	Multilaminate drill for Zygora-s, 4.0 x 71 mm
128.033	GM angle measurer, 30 degrees	128.028	GM height measurer	104.050	Torque wrench
125.142	NGS guide clamp	104.058	Short neo manual screwdriver	104.063	GM Zygomat installation driver, stainless steel/pol.
125.142	NGS guide clamp	103.613	Multilaminate initial drill for Zygora-S	129.039	Zygora-S GM depth probe, 3.75
125.142	NGS guide clamp	103.455	Twist drill for GM Zygomat, 2.35	129.038	Zygora-S GM depth probe, 3.5
125.139	Drill guide for GM Zygomat, stainless steel/ti, 2.35	103.614	Conical drill for Zygora-s, 2.35 x 100 mm	129.037	Zygora-S GM depth probe, 2.35
128.034	GM angle measurer, 45 degrees	103.615	Conical drill for Zygora-s, 3.5 x 71 mm		
128.043	GM angle measurer, 52 degrees	103.616	Conical drill for Zygora-s, 3.5 x 100 mm		

Note: Items that compose Neodent® Kits are sold separately.

NeoArch[®] Instruments



Helix GM® Long Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Long implants.

Initial	Ø 2.35	Ø 3.75	Ø 4.0
103.453	103.462	103.463	103.464

GM Height Measurer



- :: Available in titanium;
- :: For selecting GM prosthetic abutments;
- :: Marks corresponding to transmucosa heights.
- :: Can be used as X-Ray Positioner.

128.028



Helix GM® Long Drills for Guided Surgery

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Long implants on Guided Surgery.

Ø 2.35	Ø 3.75	Ø 4.0
103.459	103.460	103.461

GM Implant Driver - Contra-Angle



- :: To capture the implant directly from the packaging;
- :: To place GM Implants with contra-angle, or attached to a manual driver for contra-angle connections (104.028) for hand placement;
- :: With six dimples to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque 35 N.cm.

Regular	Long
105.168	105.176



Zygoma GM™ Drills

- :: Available in surgical steel;
- :: Drill sequence for Zygoma GM™ implants.

Pilot			
Ø 2.35	Ø 2.3/3.2	Ø 3.75	Ø 4.0
103.455	103.465	103.456	103.457

GM Implant Driver - Torque Wrench



- :: To place GM Implants with the Torque Wrench (104.050);
- :: With six marks to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque: 60 N.cm.

Short	Long	Extra-long
22 mm	30 mm	45 mm
105.129	105.130	105.156



Zygoma GM™ Lateral Direction Drill

- :: Available in surgical steel;
- :: Spherical tip with guide pin and helical blades for preparing the site for the implant placement in the exteriorized technique.

Ø 4.0
103.458

Neo Screwdriver Torque Connection - Torque Wrench



- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
16.5 mm	22 mm	32 mm
105.133	105.132	105.157



Zygoma GM™ Drill for Guided Surgery

- :: Available in surgical steel;
- :: After using the first drill, the surgical guide must be removed and the conventional protocol must be started.

Ø 2.35
103.454



Neo Manual Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.070

Neo Screwdriver Torque Connection - Contra-angle



- :: Available in surgical steel;
- :: Yellow color for line identification;
- :: Medium Neo Screwdriver Torque Connection
- :: Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended for Impression Copings, Cover Screws and Healing Abutments.

Extra Short 16.5 mm	Short 24 mm	Long 31 mm	Extra Long 37 mm
105.146	105.135	105.160	105.167

Hexagonal Prosthetic Driver



- :: Available in surgical steel;
- :: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments.

NEW
ITEM

Contra-angle	Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw	Torque Wrench Long
105.138	105.137	105.044	105.009	105.182

GM Bone Profile Drill with Guide



- :: Available in surgical steel;
- :: Used in the surgical second step;
- :: Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.

103.424

GM Angle Measurer



- :: Available in titanium;
- :: To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

17°	30°	45°	52°	60°
128.032	128.033	128.034	128.043	128.035

Helix GM® Long Drill Guide for Guided Surgery



- :: Instrument with the purpose of guiding the drills during the bone bed preparation according to the guided surgery technique.

Ø 2.0/2.35	Ø 3.75/4.0
125.140	125.141

Zygoma GM™ and GM Zygoma-S Drill Guide for Guided Surgery



- :: Instrument with the purpose of starting the Zygomatic Surgery guided.

Ø 2.35
125.139

Guided Surgery Drill 1.3 and Guide Clamp



- :: Drill available in surgical steel;
- :: Guide Clamp available in titanium;
- :: For initial fixation of the surgical guide.

Drill Ø 1.3	Guide Clamp
103.395	125.100

Guided Surgery GM Connection - Contra-Angle



- :: Available in stainless steel;
- :: To start the implant placement through the surgical guide.

Regular
105.172

Guided Surgery GM Connection - Torque Wrench



- :: Available in stainless steel;
- :: To finish the implant placement through the surgical guide.

Regular
105.143

Helix GM® Long X-ray Positioner



- :: Indicated for evaluation of the osteotomy depth in the implant placement procedure.

129.021

Probes Zygoma GM™ and GM Zygoma-S



- :: Available in Stainless Steel;
- :: The probe for the drill Ø2.35 mm has a tip design in L;
- :: The probes for the drills Ø3.5 and Ø3.75 mm have a tip with a design similar to the apex of the correspondent drill that allows identifying the correct drilling depth for implant anchorage.

	Ø 2.35	Ø 4.0	
Zygoma GM™	129.022	129.023	
	Ø 2.35	Ø 3.5	Ø 3.75
Zygoma-S	129.037	129.038	129.039

Zygoma GM™ and GM Zygoma-S Installation Driver



- :: Instrument for application of manual torque.

104.063



Torque Wrench

- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning;
- :: For full instructions see page 80.

104.050



Remover for Abutments with internal threads

- :: Available in surgical steel;
- :: To remove abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws

Regular 130.118 Long 130.114



Remover for Neo Screws

- :: Available in surgical steel;
- :: Compatible with Neo removable screws for abutments

Regular 130.119 Long 130.115

Removal Sets for Abutments with internal threads and Neo Screws

- :: Available in surgical steel;
- :: To remove Neo Removable Screws and abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws



Regular 130.117

Long 130.116

Osteotomes



Concave 2.0 110.323

Convex 2.9 110.324

Osteotomes Kit Case

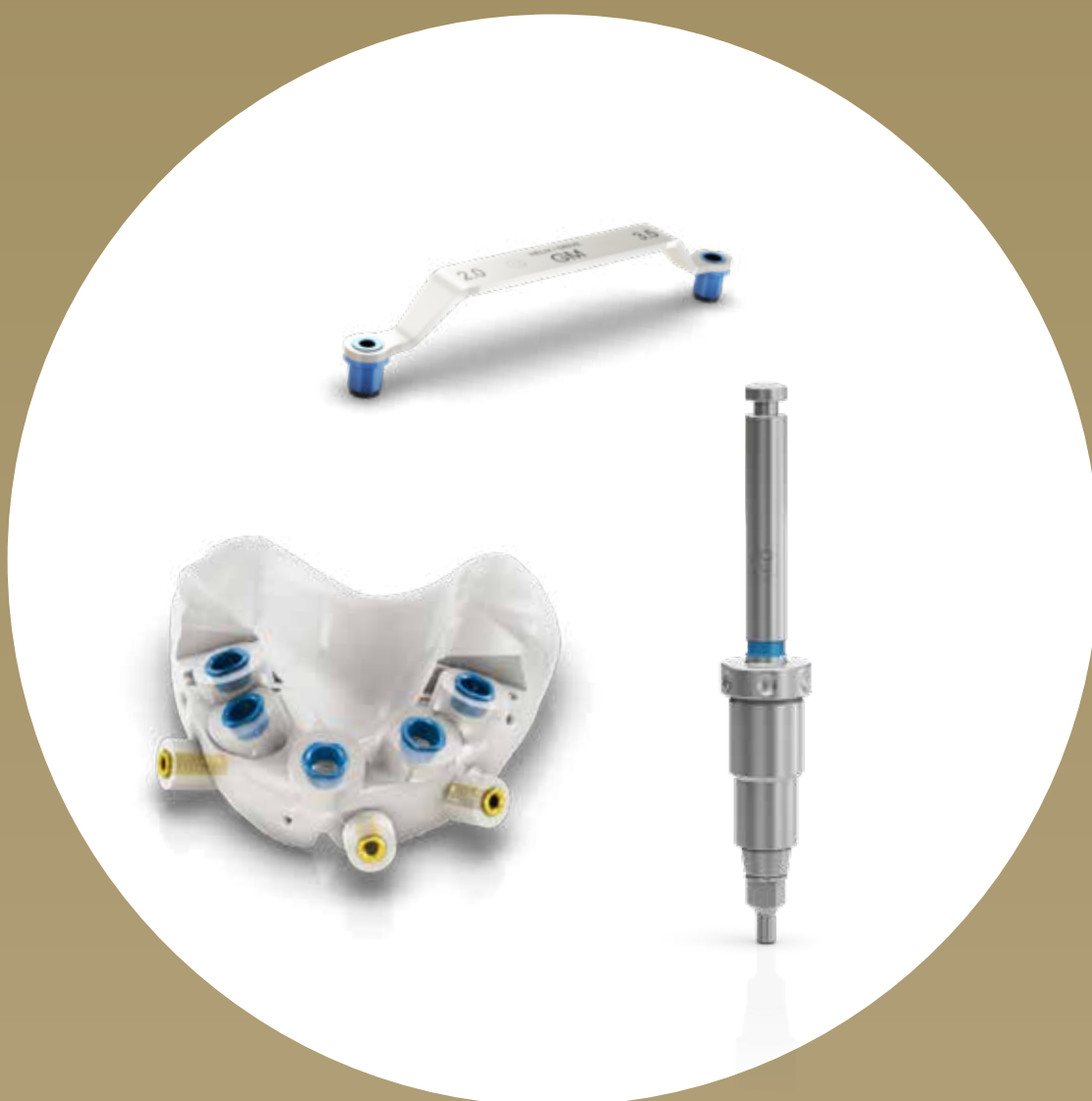
- :: Available in polymer;
- :: Autoclavable;
- :: Osteotomes sold separately.

110.336



GRAND MORSE® NEODENT® GUIDED SURGERY. GRAND POSSIBILITIES WITH A LIMITLESS SOLUTION

Patients' expectations regarding tooth replacement are increasing and are even higher when it comes to treatment duration and esthetic outcomes. The Neodent® Guided Surgery helps clinicians to provide prosthetically driven treatments, enabling them to perform immediate protocols with peace of mind, fulfilling patients' expectations.



DR IVA MILINKOVICH, from Serbia

“What I like about the system is implant designed, the selection of surgical components, and the possibilities of using it in guided surgery. I find it really user-friendly and the wide selection of implants and diameters.”

DIFFERENTIATE YOUR PRACTICE WITH GUIDED SURGERY.



Improve patient quality of life.

- Functional with an immediate fixed restoration.
- Esthetical with a personalized restoration and less bone remodeling⁽¹³⁾.
- Comfort by the reduction of operative and postoperative discomfort (e.g. reduced patient chair time).



Access to more treatment options.

- Reliable access to flapless surgery⁽¹⁴⁻¹⁶⁾.
- Designed to reduce bone grafting procedures.
- Predictable immediate protocols.



Increase patient acceptance.

- Better communication building trust with patients.
- Reliable treatment estimates from root to tooth including components and procedures.

SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.

Guided surgery is designed to reduce chair time and postoperative discomfort. It helps increasing implant positioning accuracy⁽¹⁷⁾.



Complete
Helix® and Drive GM®
Implants portfolio



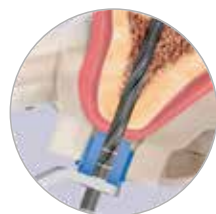
Convenient
Color-coded instruments
and symbol-marked



Flexible
2 sleeve height positions



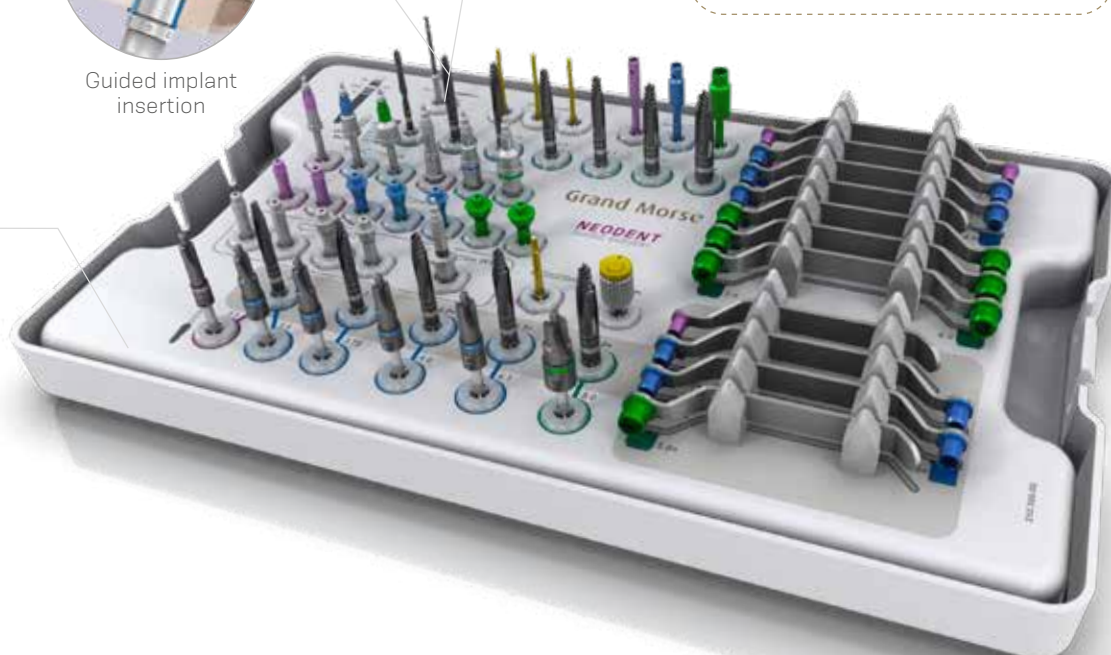
Guided implant
insertion



Guided bed
preparation

Neodent® Guided Surgery Kit for Grand Morse®

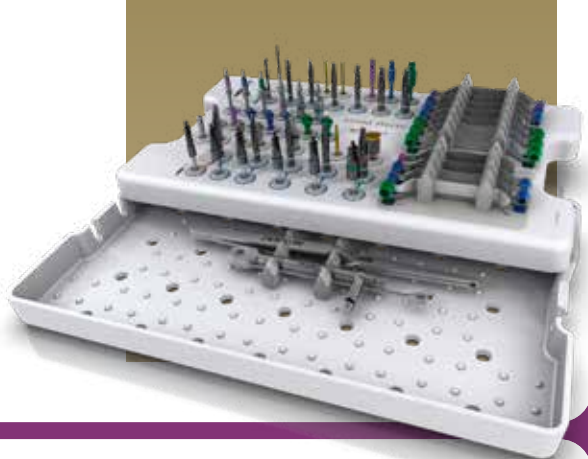
Compatible with major
guided surgery software



Neodent® Guided Surgery Kit

Grand Morse® Guided Surgery Surgical Kit

Autoclavable polymer case.
The Kit allows the use of Helix GM® and Drive GM® Implants in the Guided Surgery technique.



Articles

110.296	GM Guided Surgery Surgical Kit Case	104.060	Neo Manual Screwdriver (Medium)
103.395	Guided Surgery 1.3	103.439	Tapered Contour Guided Surgery Drill 3.5*
125.100	Guided Surgery Guide Clamp	103.440	Tapered Contour Guided Surgery Drill 3.75*
103.429	Narrow Guided Surgery Punch - Contra-Angle	103.441	Tapered Contour Guided Surgery Drill 4.0*
103.430	Regular Guided Surgery Punch - Contra-Angle	103.442	Tapered Contour Guided Surgery Drill 4.3*
103.431	Wide Guided Surgery Punch - Contra-Angle	103.443	Tapered Contour Guided Surgery Drill 5.0*
103.432	Guided Surgery Drill 2.0	103.444	Narrow Guided Surgery GM Pilot Drill 3.5
103.433	Tapered Guided Surgery Drill 3.5*	103.445	Regular Guided Surgery GM Pilot Drill 3.5
103.434	Tapered Guided Surgery Drill 3.75*	103.446	Guided Surgery GM Pilot Drill 3.75
103.435	Tapered Guided Surgery Drill 4.0*	103.447	Guided Surgery GM Pilot Drill 4.0
103.436	Tapered Guided Surgery Drill 4.3*	103.448	Guided Surgery GM Pilot Drill 4.3
103.437	Tapered Guided Surgery Drill 5.0*	103.449	Guided Surgery GM Pilot Drill 5.0
103.438	Tapered Guided Surgery Drill 6.0*	125.119	Narrow Guided Surgery Drill Guide 2.0/3.5
105.171	Narrow Guided Surgery GM Connection - Contra-angle	125.121	Regular Guided Surgery Drill Guide 2.0/3.5
105.172	Regular Guided Surgery GM Connection - Contra-angle	125.122	Regular Guided Surgery Drill Guide 3.75/4.0
105.173	Wide Guided Surgery GM Connection - Contra-angle	125.123	Regular Guided Surgery Drill Guide 4.3
105.142	Narrow Guided Surgery GM Connection for Torque Wrench	125.126	Wide Guided Surgery Drill Guide 2.0/3.5
105.143	Regular Guided Surgery GM Connection for Torque Wrench	125.127	Wide Guided Surgery Drill Guide 4.0/4.3
105.144	Wide Guided Surgery GM Connection for Torque Wrench	125.128	Wide Guided Surgery Drill Guide 5.0/6.0
125.130	Narrow Guided Surgery GM Guide Stabilizer	125.120	Narrow Tapered Contour Guided Surgery Drill Guide 3.5
125.131	Regular Guided Surgery GM Guide Stabilizer	125.124	Regular Tapered Contour Guided Surgery Drill Guide 3.5/3.75
125.132	Wide Guided Surgery GM Guide Stabilizer	125.125	Regular Tapered Contour Guided Surgery Drill Guide 4.0/4.3
125.133	Narrow Guided Surgery GM Guide Stabilizer (Long)	125.129	Wide Tapered Contour Guided Surgery Drill Guide 5.0
125.134	Regular Guided Surgery GM Guide Stabilizer (Long)	129.001	Titanium Tweezers
105.145	Guided Surgery GM H11 Connection for Torque Wrench	104.050	Torque Wrench
105.160	Neo Screwdriver Torque Connection - Contra-angle (Long)		

Note: Items that compose Neodent® Kits are sold separately.
*Conventional guided surgery drills that can be replaced by the respective short version.

Neodent® Guided Surgery Instruments



Guided Surgery Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® and Drive GM® Implants in the guided surgery technique;
- :: Fully guided technique with Short Drills indicated for 8, 10 or 11.5 mm long implants.

	Ø 2.0	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Ø 6.0
Short 36.5 mm	103.475	103.476	103.477	103.478	103.479	103.480	103.481
Regular 41 mm	103.432	103.433	103.434	103.435	103.436	103.437	103.438



Guided Surgery Drill 1.3 and Guide Clamp

- :: Drill available in surgical steel;
- :: Guide Clamp available in titanium;
- :: For initial fixation of the surgical guide.

Drill Ø 1.3	Guide Clamp
103.395	125.100



Guided Surgery Tapered Contour Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Implants in the guided surgery technique for bone types I or II;
- :: Fully guided technique with Short Drills indicated for 8, 10 or 11.5 mm long implants.

	Ø 3.5+	Ø 3.75+	Ø 4.0+	Ø 4.3+	Ø 5.0+
Short 36.5 mm	103.482	103.483	103.484	103.485	103.486
Regular 41 mm	103.439	103.440	103.441	103.442	103.443



Guided Surgery Punch - Contra-Angle

- :: Available in titanium;
- :: Color-coded according to the sleeve diameter;
- :: To remove the mucosa before beginning the osteotomy.

Narrow	Regular	Wide
103.429	103.430	103.431



Guided Surgery GM Pilot Drills

- :: Available in surgical steel;
- :: Color-coded according to the sleeve diameter;
- :: Recommended for Helix GM® in bone types I or II;
- :: Optional Drive GM® in bone types III or IV.

	Narrow		Regular		Wide
Ø 3.5	103.444	Ø 3.5	103.445	Ø 5.0	103.449
		Ø 3.75	103.446		
		Ø 4.0	103.447		
		Ø 4.3	103.448		



Guided Surgery Drill Guides

- :: Available in titanium and stainless steel;
- :: Color-coded according to the sleeve diameter;
- :: To fit in the sleeve in the surgical guide;
- :: To be used with correspondent drill diameter and type.

	Narrow		Regular		Wide
Ø 2.0/3.5	125.119	Ø 2.0/3.5	125.121	Ø 2.0/3.5	125.126
Ø 3.5+	125.120	Ø 3.75/4.0	125.122	Ø 4.0/4.3	125.127
		Ø 4.3	125.123	Ø 5.0/6.0	125.128
		Ø 3.5+/3.75+	125.124	Ø 5.0+	125.129
		Ø 4.0+/4.3+	125.125		



Guided Surgery GM Connection - Contra-Angle

- :: Available in stainless steel;
- :: Color-coded according to the sleeve diameter;
- :: To start the implant placement through the surgical guide.

Narrow	Regular	Wide
105.171	105.172	105.173



Guided Surgery Guide Stabilizers

- :: Available in titanium;
- :: Color-coded according to the sleeve diameter;
- :: Additional fixation of the surgical guide.

Narrow	Regular	Wide
125.130	125.131	125.132



Guided Surgery GM Connection - Torque Wrench

- :: Available in stainless steel;
- :: Color-coded according to the sleeve diameter;
- :: To finish the implant placement through the surgical guide.

Narrow	Regular	Wide
105.142	105.143	105.144



Guided Surgery Guide Stabilizers - Long

- :: Available in titanium;
- :: Additional fixation of the surgical guide;
- :: To be used when the H11 sleeve height is chosen.

Narrow	Regular
125.133	125.134



Guided Surgery GM H 11 Connection - Torque Wrench

- :: Available in stainless steel;
- :: To finish the implant placement through the surgical guide;
- :: To be used when the H11 sleeve height is chosen.

105.145

Sleeves for Neodent® Guided Surgery System

- :: Available in titanium;
- :: Sold in bags with 10 units each.



125.135 Sleeve for Narrow Guided Surgery System



125.136 Sleeve for Regular Guided Surgery System



125.137 Sleeve for Wide Guided Surgery System



125.138 Sleeve of Setter for Guided Surgery System

Neodent® Helix GM Narrow

SMALL DIAMETER, GREAT ACHIEVEMENTS.

Bring reliability to your practice through the next generation of immediate esthetic solutions for reduced interdental spaces and bone availability.

The Ø 2.9mm Helix GM Narrow provides an immediate, small diameter solution seeks to provide simplicity for treatment protocol – regardless of whether guided or non-guided techniques are used – confidence without compromising on strength, and flexibility for immediate esthetic outcomes in limited interdental spaces.

Ø 2.9



CONFIDENCE WITH A STABLE LONG-TERM IMPLANT FOUNDATION

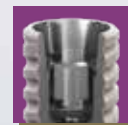
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

The Ø 2.9mm Helix features the strong and stable GM Narrow connection, designed with a unique combination based on proven concepts seeking to achieve long lasting results. A system produced out with the commercially pure titanium grade 4 offering treatment predictability through the Acqua hydrophilic surface.

RELIABLE AND STRONG GM NARROW CONNECTION

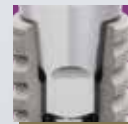
16° Morse Taper connection

The implant-abutment interface is a relevant aspect that could interfere on the success of patient's outcome. Helix GM Narrow is designed to deliver a tight fit for optimal connection sealing and offers strong mechanical resistance.



Internal hexagonal indexation

The connection is designed with internal hexagonal indexation for precise abutment positioning, easy handling.



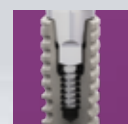
Platform switching

The abutment design features a narrower diameter than the implant coronal area, which enables platform switching.^[5-9]



Screw-retained interface

The Helix GM Narrow features a morse taper screw-retained connection, which fits into the internal thread with precision seeking to provide a stable abutment connection.



COMMERCIALLY PURE AND MECHANICALLY STRONG TITANIUM GRADE 4

Beyond a versatile design allowing primary stability, the Helix GM Narrow is produced from the most commercially pure and mechanically strong titanium grade 4 (Ti Gr 4). Static torsion tests have been conducted providing a greater performance and strength of +12,7% than the former small diameter Neodent® system (Ti6Al4V-ELI).

Static torsion test

+ 12,7%

New small diameter Neodent® system (Ti Gr 4)

Former small diameter Neodent® system (Ti6Al4V-ELI)

Font: Annex_NoC Helix Narrow internal document.



ACQUA HYDROPHILIC SURFACE'S AND TREATMENT PREDICTABILITY

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. surface. It was developed to reach expected results outcomes even in the most challenging patient cases, such as soft bone or immediate protocols.^[1-4]



SIMPLICITY FOR TREATMENT PROTOCOLS

The Helix GM Narrow system provides an intuitive hybrid surgical kit designed to best suit any chosen surgical procedure, whether conventional or guided, adding even more simplicity to the system by using the Neo Screw connection.

An intuitive and functional compact surgical cassette

The Helix GM Narrow system allows intuitive conventional and guided surgeries with the functional compact surgical kit, to support improve outcomes and patient satisfaction.



A predictable guided procedure with the easyguide concept

The Neodent® EasyGuide concept offers straightforward guided surgery technique enabling surgical convenience with one-hand procedures, and pursuing predictable surgical results with confidence for accurate implant positioning.



One Screwdriver available both for Neodent® GM and GM Narrow

The Helix GM Narrow system features the Neo Screwdriver, which has a star attachment offering reliability and durability, compatible with all GM Narrow healing abutments and restorative screws.





FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

Patients lacking bone availability in the esthetic zone or experiencing limited space between adjacent teeth, can make tooth replacement procedures challenging for implant clinicians. When coupled with a lack of adequate prosthetic options to correctly replace missing teeth, patient satisfaction declines, and practices can suffer.

The versatile Neodent® Helix GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

THE UNBEATABLE VERSATILITY OF HELIX

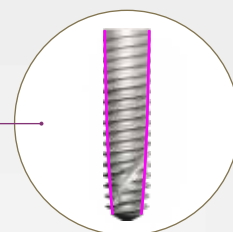
Dynamic progressive thread design

- Coronal: Double start threads with rounded root > compressing;
- Apex: V-Shape > Self-cutting High primary stability.



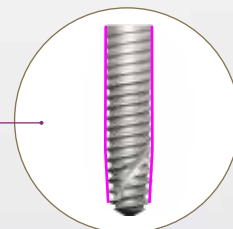
Tapered body design

- Coronal: Progressive tapered design;
- Apex: 12° Under-osteotomy for bone types 3 and 4.



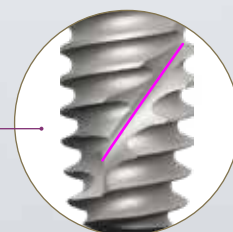
Hybrid contour

- Coronal: Cylindrical;
- Apex: Conical.



Active Apex

- Short tip;
- Helicoidal flutes.



DR FEDERICO MANDELLI, from Italy

“I think that today an implant system should be very flexible and we don't have to change implants based on our clinical needs. That's why I decided to choose the Neodent® product, because with just one implant I can perform any kind of treatment. ”



A SOLUTION FOR LIMITED BONE AVAILABILITY IN ALL BONE TYPES

Indicated for all bone types, the Neodent® Helix GM Narrow is specifically engineered to address esthetic challenges in situations with limited bone, thanks to its small diameter implant of 2.9mm.



COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC AND FUNCTIONAL RESULTS

The Helix GM Narrow system was designed to offer clinicians greater levels of treatment flexibility with a comprehensive prosthetic portfolio, designed to meet patient expectations regarding short treatment times, esthetic and functional results.

It allows single and multi-unit restorations from screw and cement-retained, to removable prosthesis. The system also allows support for conventional and digital workflows supporting provide natural-looking restorations using either conventional or immediate protocols.



Titanium
Temporary Abutment



Titanium
Base



Universal
Abutment



Micro
Abutment



Attachment
Removable



Single-unit screw-
retained prosthesis



Single-unit cement-
retained prosthesis



Multiple-unit screw-
retained prosthesis



Temporary



Overdenture

Neodent® Helix GM Narrow Implant Packaging

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



Package instruction of use



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.

Note: the clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



3. Using the non-dominant hand, press the sides of the internal support promoting a "pincer effect" and immobilizing the implant. Keep the support pressed and remove the lid.



4. For installation, hold the implant with the driver for contra angle, keeping the connection stable and slightly rotating the internal support, searching for the perfect fit between the connection and the implant.



5. Take the implant to the surgical cavity.



6. Place the implant to its final position with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

e-IFU – Electronic Instructions For Use

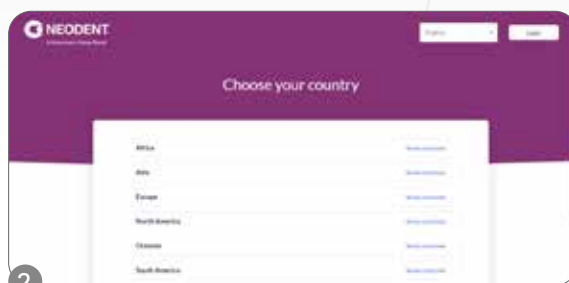
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en



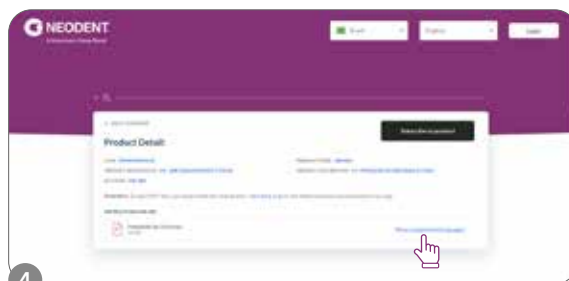
To access the IFU website, enter the address above in your browser.



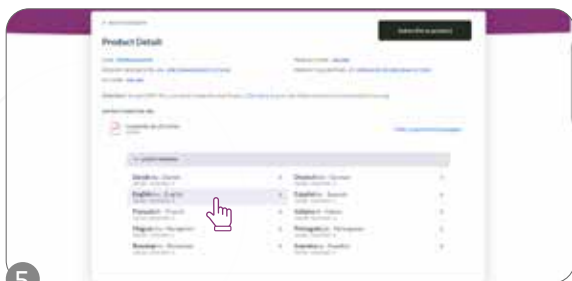
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

Helix GM Narrow

PRODUCT FEATURES:

Implants Description:

- Progressive tapered design;
- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- Active apex with rounded short tip and helicoidal flutes; 12° under-osteotomy for bone types 3 and 4;
- Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-cutting V-shape threads on the apical part;
- Double threaded implant;
- GM Narrow connection.

Indications:

- Indicated for all types of bone density in the region of lateral incisors in the maxilla or in the region of lateral and central incisors in the mandible.

Drilling features:

- NGM Countersink Drill is required in bone types I and II;
- Implant should be positioned 2 mm below bone level;
- Drilling speed: 800-1200 rpm for bone type I and II;
- Drilling speed: 500-800 rpm for bone type III and IV;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 35 N.cm.

Available with:

acqua®



Drill Sequence for conventional surgery

								
	Initial	Ø 2.0 10 mm	Ø 2.0 12 mm	Ø 2.0 14 mm	Ø 2.9 10 mm	Ø 2.9 12 mm	Ø 2.9 14 mm	Countersink
	103.586	103.669	103.670	103.671	103.672	103.673	103.674	103.675
10 mm	✓	✓			✓			✓
12 mm	✓		✓			✓		✓
14 mm	✓			✓			✓	✓

*Optional / Bone types I and II 

10 mm	✓	✓*						
12 mm	✓		✓*					
14 mm	✓			✓*				

*Optional / Bone types III and IV 

Drill Sequence for guided surgery

										
	Mucosa Punch	Leveling Drill	Initial	Ø 2.0 10 mm	Ø 2.0 12 mm	Ø 2.0 14 mm	Ø 2.9 10 mm	Ø 2.9 12 mm	Ø 2.9 14 mm	Countersink
	103.585	103.667	103.668	103.669	103.670	103.671	103.672	103.673	103.674	103.675
10 mm	✓*	✓*	✓	✓			✓			✓
12 mm	✓*	✓*	✓		✓			✓		✓
14 mm	✓*	✓*	✓			✓			✓	✓

*Optional / Bone types I and II 

10 mm	✓*	✓*	✓	✓*						
12 mm	✓*	✓*	✓		✓*					
14 mm	✓*	✓*	✓			✓*				

*Optional / Bone type III 

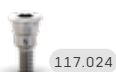
10 mm										
12 mm	✓*	✓*	✓							
14 mm	✓*	✓*	✓							

*Optional / Bone type IV 

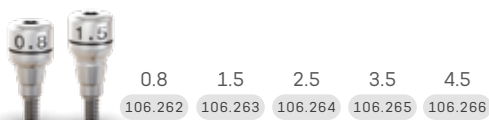
Helix GM Narrow Implants

			
	10 mm	12 mm	14 mm
Ø2.9 / Aqua	140.1063	140.1064	140.1065

NGM Cover Screw



NGM Healing Abutment



NGM Micro Abutment



Single-unit
screw-retained
prosthesis



Multiple-unit
screw-retained
prosthesis



Ø 3.5 mm

Gengival heights:
0.8, 1.5, 2.5 & 3.5 mm.



Recommended for anterior region.

Installation Sequence

0.8 mm	1.5 mm	NGM Micro Abutment
115.287	115.288	
2.5 mm	3.5 mm	
115.289	115.290	



Intraoral



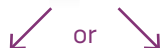
Micro Abutment
Scanbody

108.219



Micro Abutment
Hybrid
Repositionable
Analog

101.091



Neo Micro
Conical
Abutment One
Step Hybrid
Coping



118.381

GM Micro
Abutment Coping
for Crown Digital
Workflow



118.363

or



Neodent
DirectFit Screw

116.303

Model Scanning



Micro Abutment
Impression Coping
Closed Tray for single-
unit prosthesis
Open Tray Slim
for multiple-unit
prosthesis

108.182 108.178



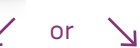
Micro Abutment
Hybrid Repositionable
Analog

101.091



Micro Abutment
Scanbody

108.219



Neo Micro
Conical
Abutment One
Step Hybrid
Coping



118.381

GM Micro
Abutment Coping
for Crown Digital
Workflow



118.363

or



Neodent
DirectFit Screw

116.303

Conventional



Micro Abutment
Impression Coping
Closed Tray for single-
unit prosthesis
Open Tray Slim
for multiple-unit
prosthesis

108.182 108.178



Neo Micro
Abutment
Titanium
Coping



101.091

Bridge 118.297
Crown 118.317



Neo Micro
Abutment
Protection
Cylinder

106.267



Micro Abutment
Analog

101.091

Hybrid Repositionable
(conventional/digital)

Neo Micro
Abutment
CoCr Coping



118.296

Bridge 118.296
Crown 118.316



Neo Micro
Abutment
Burn-out
Coping



118.295

Bridge 118.295
Crown 118.315

Drivers



1

Hexagonal
Prosthetic
Driver

+

Torque Wrench



2

Neo
Screwdriver
Torque
Connection

+

Torque Wrench



3

Neo
Screwdriver
Torque
Connection

+

Manual
Screwdriver
Torque

Accessories

Micro Abutment
Polishing Protector

123.015 Bridge

Replacement
Coping Screw

116.269 Titanium

116.270 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

NGM Universal Abutment



Single-unit
cement-retained
prosthesis



Ø 3.3 mm

Cementable area: 4.0 or 6.0 mm;

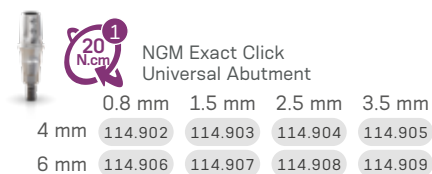
Click retention for
provisional copings;

Exact;

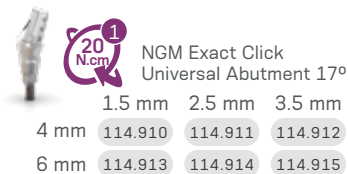
Neo Removable screw;



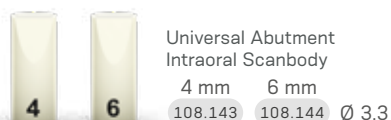
Installation Sequence



or

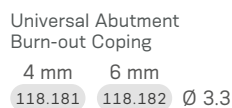
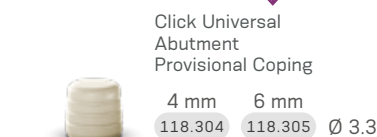
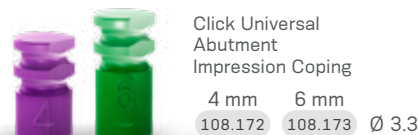


Intraoral



Milled crown

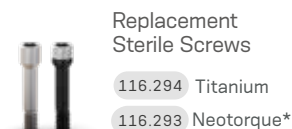
Conventional



Drivers



Accessories



NGM Titanium Base

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 3.5 mm

Customizable up to 4 mm high;
Cementable area: 6.0 or 4.0 mm;
Exact;
Neo Removable screw;

Installation Sequence

Model Scanning

Intraoral

NGM Implant Scanbody
108.221

10 N.cm

NGM Hybrid Analog
101.107

NGM Implant Scanbody
108.221

10 N.cm

NGM Exact Titanium Base for Crown Ø 3.5

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
4 mm	135.414	135.415	135.416	135.417	135.418
6 mm	135.419	135.420	135.421	135.422	135.423

20 N.cm

Conventional

NGM Implant Exact Impression Coping Closed and Open Tray
108.203 Closed Tray
108.204 Exact Open Tray
108.206 Open Tray

10 N.cm

NGM Hybrid Analog
101.107

NGM Exact Titanium Base for Crown Ø 3.5

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
4 mm	135.414	135.415	135.416	135.417	135.418
6 mm	135.419	135.420	135.421	135.422	135.423

20 N.cm

GM Titanium Base Burn-out Coping
4 mm 118.322
6 mm 118.323
Ø 3.5

Drivers

Neo Screwdriver Torque Connection

Torque Wrench

Neo Screwdriver Torque Connection

Manual Screwdriver Torque

Accessories

Replacement Sterile Screws
116.294 Titanium
116.293 Neotorque*

*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

NGM Temporary Abutment



Single-unit
screw-retained
temporary
prosthesis



Ø 3.5

Implant level.

Channels of customizations;

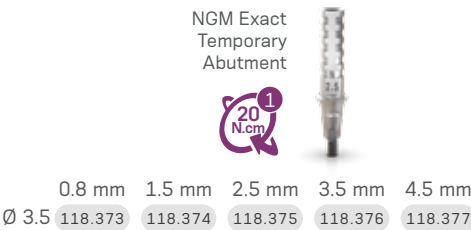
Retention portion height:
10 mm customizable up
to 4 mm;

Exact.

Neo Removable screw;



Installation Sequence



Customization

Temporary
Prosthesis

Drivers

1



Neo
Screwdriver
Torque
Connection

+



Torque Wrench

Accessories

Replacement
Sterile Screws

116.294 Titanium

116.293 Neotorque*

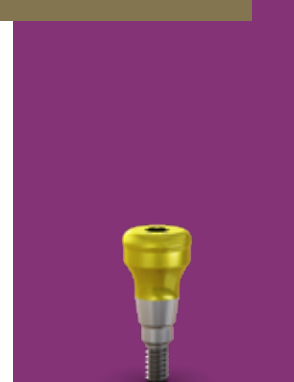


*Application of a film carbon-based coat
that provides a lower friction coefficient,
resulting in increased pre-load.

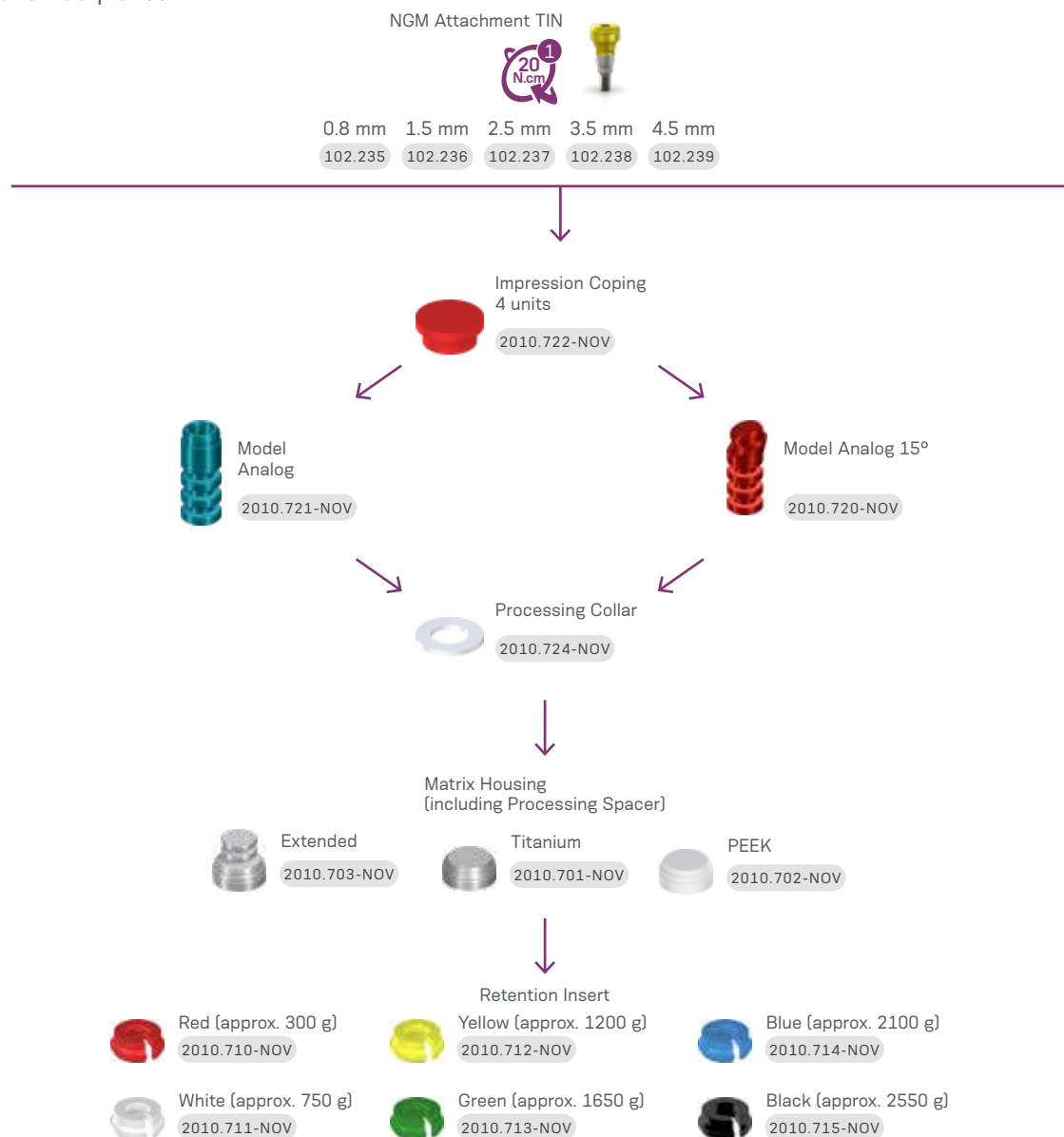
NGM Attachment TIN



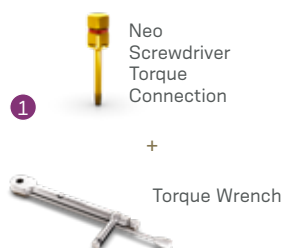
Overdenture



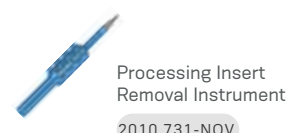
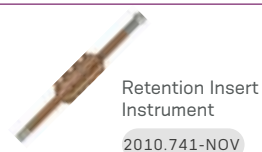
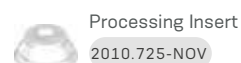
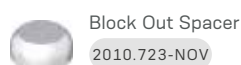
Installation Sequence



Drivers



Accessories



GM Narrow Kit

GM Narrow Surgical Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition, use code 110.316.



*The pre-mounted kit is composed with the drills with titanium stops.

Articles

110.315	Helix NGM Compact Surgical Kit Case	103.674	NGM Drill 2.9x14 mm
103.585	NGM Guided Surgery Mucosa Punch	103.675	NGM Countersink Drill
103.586	NGM Initial Drill	104.050	Torque Wrench
103.667	NGM Guided Surgery Bone Levelling Drill	104.060	Neo Manual Screwdriver (Medium)
103.668	NGM Guided Surgery Initial Drill	105.132	Neo Screwdriver Torque Connection
103.669	NGM Drill 2.0x10 mm	105.137	Hexagonal Prosthetic Driver
103.670	NGM Drill 2.0x12 mm	105.165	NGM Implant Driver For Contra-angle
103.671	NGM Drill 2.0x14 mm	105.166	NGM Implant Driver For Torque Wrench
103.672	NGM Drill 2.9x10 mm	128.036	NGM Height Measurer
103.673	NGM Drill 2.9x12 mm	129.035	Helix NGM X-ray Positioner

Note: Items that compose Neodent® Kits are sold separately.

GM Narrow Instruments



NGM Guided Surgery Mucosa Punch

103.585



NGM Guided Surgery Bone Levelling Drill

103.667



NGM Guided Surgery Initial Drill

103.668



NGM Initial Drill

103.586

NGM Tapered Drills



103.669 Ø2.0 x 10mm
103.670 Ø2.0 x 12mm
103.671 Ø2.0 x 14mm
103.672 Ø2.9 x 10mm
103.673 Ø2.9 x 12mm
103.674 Ø2.9 x 14mm



NGM Countersink Drill

103.675



NGM Implant Driver - Contra Angle

105.165



NGM Implant Driver - Torque Wrench

105.166 Regular

105.181 Long

NEW ITEM



NGM Height Mesurer

128.036



Helix NGM X-ray Positioner

129.035



Neo Manual Screwdriver

:: Available in surgical steel;
:: Yellow color for line identification

Medium
25 mm

104.060



Neo Screwdriver Torque Connection - Torque Wrench

:: Available in surgical steel;
:: Yellow color for line identification.

Medium
22 mm

105.132



Hexagonal Prosthetic Driver

:: Available in surgical steel;
:: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;

Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw	Torque Wrench Long
105.137	105.044	105.009	105.182

105.137

105.044

105.009

105.182

NEW ITEM



Torque Wrench

:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning.

104.050

Sleeve D2.93

:: Available in titanium;
:: Sold in bags with 10 units each.



125.180

Neodent® Helix Short

EXPLORE NEW LEVELS



A REMARKABLE SOLUTION FOR VERTICAL BONE ATROPHY

Helix Short was designed to meet patient expectations, delivering the Neodent® established concepts of immediacy and straightforward protocols, even for more demanding indications, such as low vertical bone availability: An alternative to bone graft procedures such as guided bone regeneration and sinus lift augmentation.^{11,19}

EVERY MILLIMETER MATTERS: AN IMPLANT DESIGN FOR A WIDE VARIETY OF CLINICAL SITUATIONS

The proven versatility of the Helix implant design as a short implant, the Helix Short offers solutions for different bone types.

Features built into its design include:

- Body design for progressive stability;
- Single trapezoidal threads;
- Apically tapered: apex for increased mechanical stability;
- Because every millimeter matters, a wide range of lengths.



THE HELIX SHORT CONNECTION: A STABLE FOUNDATION FOR CHALLENGING REHABILITATIONS

Built upon a new prosthetic platform, the Helix Short connection was designed in conjunction with a transmucosal collar to allow a deep internal connection as a stable foundation for the system - even when using a short implant. Its unique connection, regardless of the implant diameter, provides:

- 1 - Wide cone on top for optimized occlusal forces distribution.
- 2 - Internal indexation for easy handling and precise abutment positioning.



ACQUA HYDROFILIC SURFACES AND TREATMENT PREDICTABILITY¹⁻⁴

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. surface. It was developed to reach expected results outcomes even in the most challenging patient cases, such as soft bone or immediate protocols.¹⁻⁴

acqua



EXPLORE NEW LEVELS WITH
HELIX SHORT



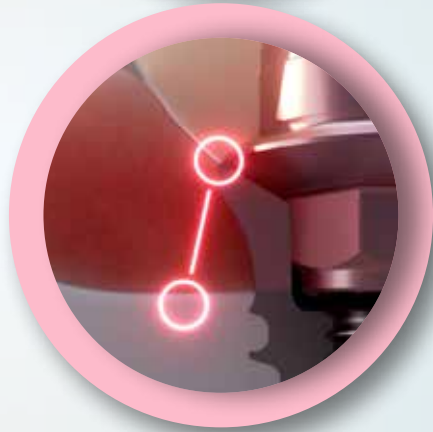
A DESIGN FOR OPTIMIZED SOFT TISSUE MANAGEMENT SEEKING LONG-TERM SUCCESS.^{20,21}

Helix Short implant combines reduced lengths with a transmucosal collar. The smooth surface of this tissue level portion addresses the emerging concerns of modern implant dentistry related to peri-implant diseases, enabling more favorable long-term outcomes for treatments.²⁰

THE HELIX SHORT TRANSMUCOSAL COLLAR: A CONCEPT DESIGNED FOR TISSUE LEVEL AND PERI-IMPLANT MANAGEMENT.



Transmucosal collar: Smooth surface optimized for lower bacterial adhesion.²¹



Implant-abutment interface: Position far from the crestal bone and optimized space for biological distance.²⁰

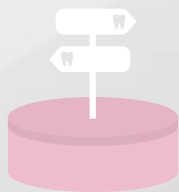
FEATURING SOFT TISSUE MANAGEMENT AND BETTER ESTHETIC OUTCOMES.



Anodized transmucosal collar: Mimics the natural color of soft tissues for positive outcomes even in aesthetic demanding cases.²²

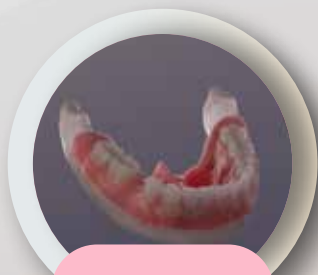


A STANDARD TRANSMUCOSAL
COLLAR, OPTIMIZED FOR LOWER
BACTERIAL ADHESION

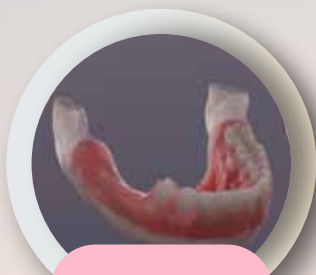


VERSATILE PROSTHETIC RESOLUTIONS AND ANATOMICAL COMPATIBILITY

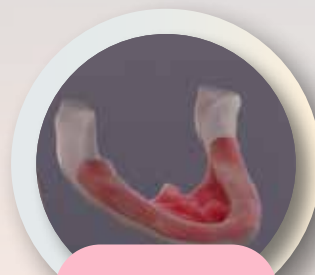
The Helix Short provides a versatile and safe prosthetic solution for cases of low vertical bone availability. From single units to full arch restorations*, the system provides clinicians tools and a comprehensive prosthetic portfolio designed to treat prevalent and challenging clinical situations.



Single-unit



Multi-unit



Full-arch

*single-units indication: 5.5 mm length or above.

MEET YOUR PATIENT EXPECTATION FOR PREVALENT AND CHALLENGING CASES.

The Helix Short provides predictability for different types of prosthetic resolutions, from single-unit to full arch restorations:



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Temporary



Multiple-unit screw-retained prosthesis



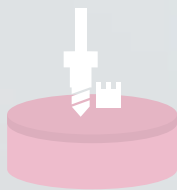
Overdenture

FROM CONVENTIONAL TO DIGITAL: A WIDE RANGE OF MATERIALS AND WORKFLOWS .

Meet and exceed patient expectations with access to a variety of restorative material options for a wide range of abutments:

- Milling, printing, or conventional manufacturing that features simplicity in all workflows;
- Prosthetic libraries available for the main CAD/CAM systems.





MORE PREDICTABILITY FOR CHALLENGING SURGICAL PROCEDURES

The Neodent® Helix Short system's greater intuitiveness and deep drilling control helps clinicians build confidence to overcome the challenges of performing procedures in patients with low vertical bone availability.



BUILD CONFIDENCE DURING DRILLING BY GAINING MORE PREDICTABLE DEPTH CONTROL.

Protect anatomical structures, such as the inferior alveolar neurovascular bundle, maxillary sinus, or adjacent roots with better physical control of drilling depths and predictable stops. Improve accuracy even in challenging clinical situations, such as limited visibility caused by adjacent teeth, tongue, bleed, or saliva.



AN INTUITIVE COLOR-CODED PROTOCOL: THE NEXT STEP IN EFFICIENT SURGICAL PROCEDURES

By offering a color-coded system, the Helix Short Surgical Kit facilitates the drilling sequence during the surgical procedure and enables a more user-friendly experience.



**SEE THE DRILLING
SYSTEM IN PRACTICE**

Neodent® Helix Short Implant packaging and placement

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



Instructions on opening the implant package



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.

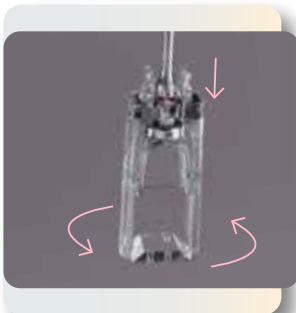
Note: the clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



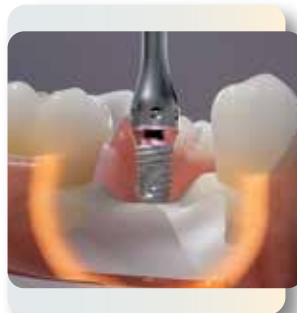
2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



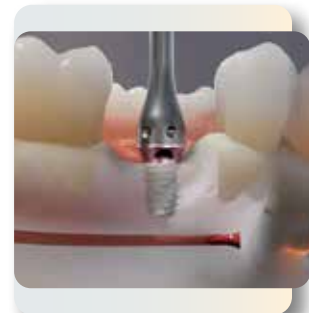
3. Using the non-dominant hand, press the sides of the internal support promoting a "pincer effect" and immobilizing the implant. Keep the support pressed and remove the lid.



4. For installation, hold the implant with the driver for contra angle, keeping the connection stable and slightly rotating the internal support, searching for the perfect fit between the connection and the implant.



5. Take the implant to the surgical cavity.



6. Place the implant with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

e-IFU – Electronic Instructions For Use

Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

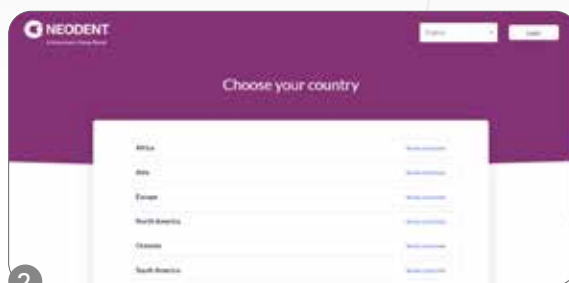
To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en



1

To access the IFU website, enter the address above in your browser.



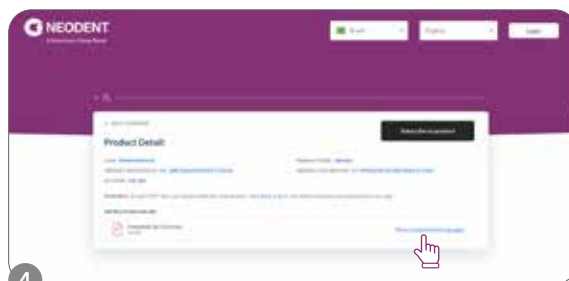
2

Select the country.



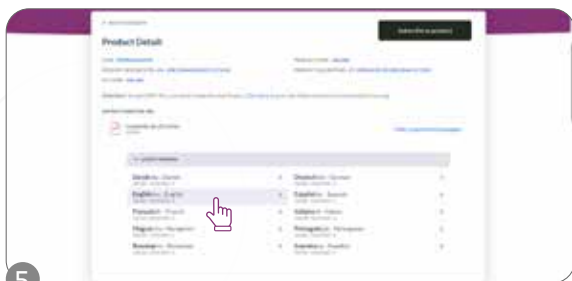
3

Enter the article number in the search field.



4

The search results will be displayed; click on "show supported languages."



5

Select the language.



6

Confirm and access the IFU.

Helix Short

PRODUCT CHARACTERISTICS:

Description of the implant:

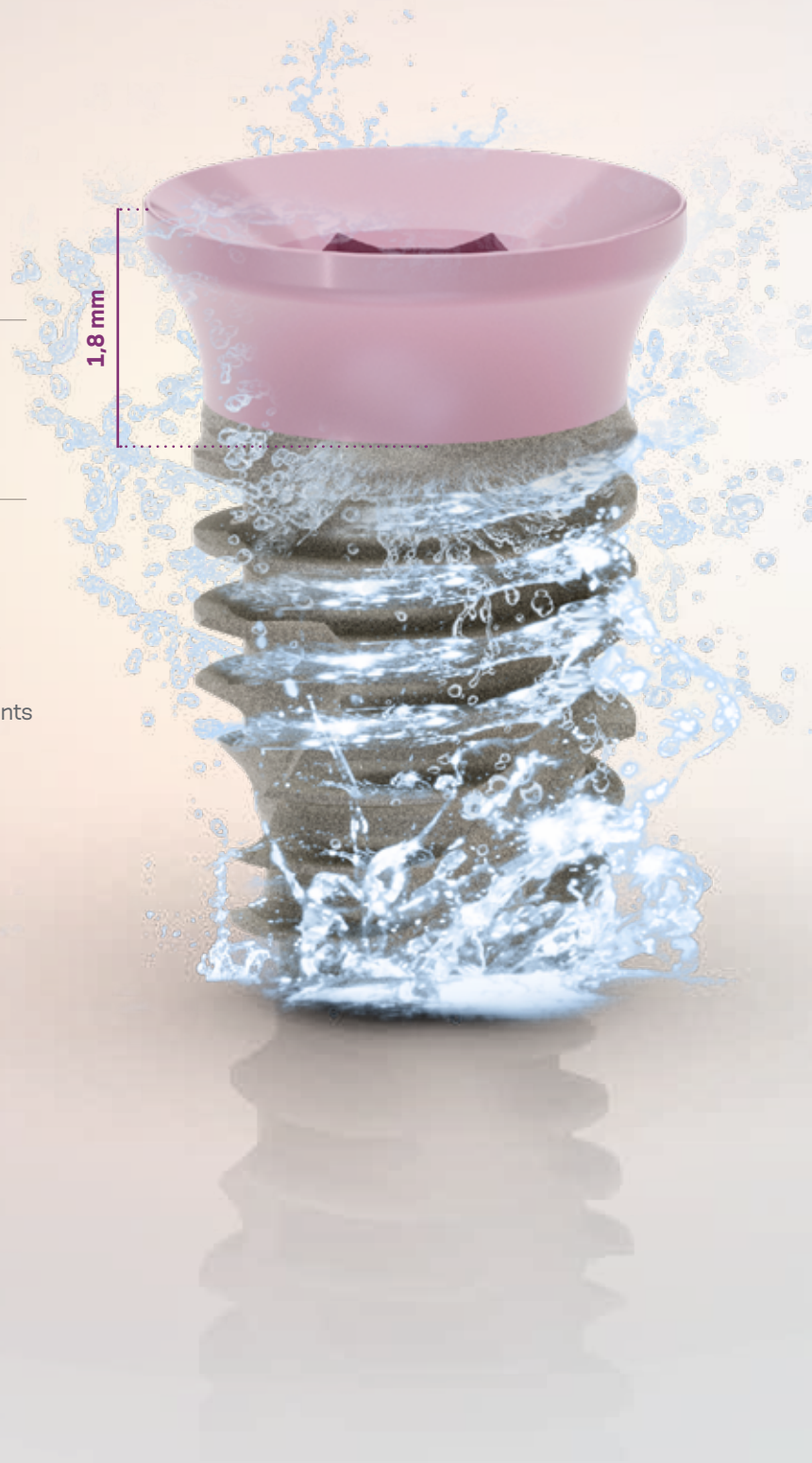
- Body design for progressive stability;
- Tapered apex;
- Trapezoidal threads;
- Helix Short interface;
- Transmucosal collar with 1.8mm in all lengths options.

Indications:

- For all types of bone density and post-extraction placement.

Osteotomy:

- The treated portion of the implant should be positioned at bone level and the anodized portion (transmucosal collar) at soft tissue level;
- The Profile Drill should be used for the installation of implants with a diameter of 3.75 mm, 4.0 mm and 5.0 mm when there is a possibility of bone contact in the anodized portion (transmucosal collar);
- Drilling Speed: 800-1200 rpm for bone types I and II;
- Drilling Speed: 500-800 rpm for bone types III and IV;
- Insertion Rotation: 30 rpm;
- Maximum Insertion Torque: 60 N.cm.



Available in:



Drill Sequence

													
	103.621	103.597	103.607	103.608	103.598	103.599	103.600	103.601	103.602	103.603	103.604	103.605	103.606
Ø 3.75 mm	✓ *	✓	✓	✓									✓ *
Ø 4.0 mm	✓ *	✓	✓ *		✓	✓							✓ *
Ø 5.0 mm	✓ *	✓	✓ *		✓		✓	✓					✓ *
Ø 6.0 mm	✓ *	✓	✓ *		✓		✓		✓	✓			
Ø 7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓	✓	

*Optional/Bone types I and II 

Ø 3.75 mm	✓ *	✓	✓										
Ø 4.0 mm	✓ *	✓	✓ *		✓								
Ø 5.0 mm	✓ *	✓	✓ *		✓		✓						
Ø 6.0 mm	✓ *	✓	✓ *		✓		✓		✓				
Ø 7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓		

*Optional/Bone types III and IV 

Helix Short GM® Implants

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø 3.75				
Acqua	140.1082	140.1083	140.1084	140.1085
Ø 5.0				
Acqua	140.1070	140.1071	140.1072	140.1073

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø 4.0				
Acqua	140.1066	140.1067	140.1068	140.1069
Ø 6.0				
Acqua	140.1074	140.1075	140.1076	140.1077

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø 7.0				
Acqua	140.1078	140.1079	140.1080	140.1081

HS Cover Screw



117.025

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

HS Healing Abutments



106.270 1.5 / 2.5

106.273 1.5 / 2.5 / 3.5 / 4.5 / 5.5

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

HS Mini Conical Abutment



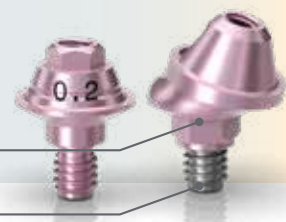
Multiple-unit
screw-retained
prosthesis (bridge)



Ø 4.8 mm

Allow an additional
1.5 to 2.0 mm of
restorative material;

Minimum interocclusal space of
4.5 mm from the mucosa level;



Exact;

Neo Removable Screw.

Installation Sequence

0.2 mm	1.5 mm	HS Mini Conical Abutment	or	HS Exact Mini Angled Abutment 17°	0.6 mm	1.5 mm
115.291	115.292				115.296	115.297
2.5 mm	3.5 mm	4.5 mm			2.5 mm	3.5 mm
115.293	115.294	115.295			115.298	115.299

Intraoral



Mini Conical Abutment Scanbody
3 108.218



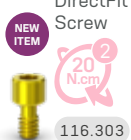
Mini Conical Abutment Analog
101.092

Neo Mini Conical Abutment One Step Hybrid Coping



10 N.cm 2 118.382

Neodent DirectFit Screw



20 N.cm 2 116.303

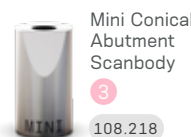
Model Scanning



Mini Conical Abutment Impression Coping Slim Open Tray Impression Coping
3 108.176



Mini Conical Abutment Analog
101.092



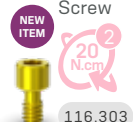
Mini Conical Abutment Scanbody
3 108.218

Neo Mini Conical Abutment One Step Hybrid Coping



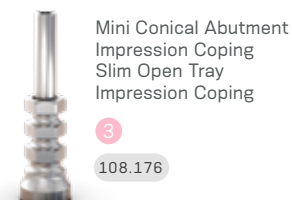
10 N.cm 2 118.382

Neodent DirectFit Screw



20 N.cm 2 116.303

Conventional



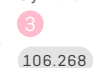
Mini Conical Abutment Impression Coping Slim Open Tray Impression Coping
3 108.176

Neo Mini Conical Abutment Titanium Coping



10 N.cm 2 118.302

Neo Mini Conical Abutment Protection Cylinder

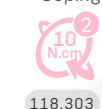


3 106.268



Mini Conical Abutment Analog
101.092 Hybrid Repositionable (conventional/digital)
101.020 Conventional

Neo Mini Conical Abutment CoCr Coping



10 N.cm 2 118.303

Neo Mini Conical Abutment Burn-Out Coping



10 N.cm 2 118.301

Drivers



Accessories



Mini Abutment Polishing Protector
123.008

Sterile replacement coping screw

116.269 Titanium
116.270 Neotorque®*

*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

HS Exact Titanium Base



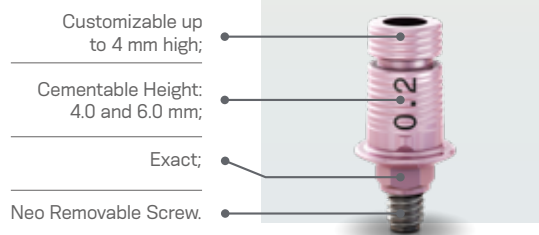
Single-unit
screw-retained
prosthesis
(crown)



Single-unit
cement-retained
prosthesis
(crown)



Ø 4.5 mm

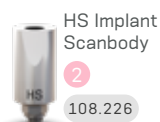
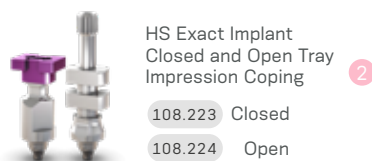


Installation Sequence

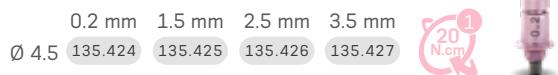
Intraoral



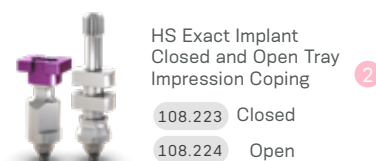
Model Scanning



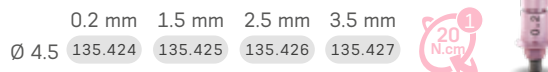
HS Exact Titanium Base



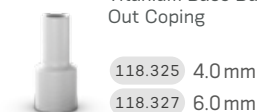
Conventional



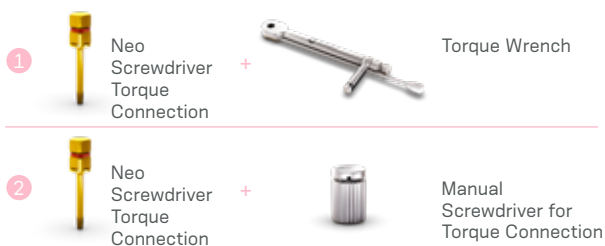
HS Exact Titanium Base



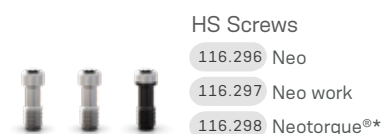
Titanium Base Burn-Out Coping



Drivers



Accessories



*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

HS Titanium Base for Bridge



Multi-unit
screw-
retained
prosthesis



Multi-unit
cement-
retained
prosthesis



Ø 4.8 mm

Cementable Area: 4.5mm;

With internal threads for
a secure engagement
of the screw;

Neo Removable Screw.



Installation Sequence

Intraoral



Model Scanning



HS Titanium Base for Bridge

	0.2 mm	1.5 mm	2.5 mm	3.5 mm
Ø 4.5	135.428	135.429	135.430	135.431



Drivers

1



Neo
Screwdriver
Torque
Connection

+



Torque Wrench

2



Neo
Screwdriver
Torque
Connection

+



Manual
Screwdriver for
Torque Connection

Accessories



HS Screws

116.296	Neo
116.297	Neo work
116.298	Neotorque®*

*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

HS Titanium Temporary Abutment



Temporary
single-unit
screw-retained
prosthesis



Temporary
multi-unit
cement-retained
prosthesis



Ø 4.8 mm

Customizable area in titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retention slots for acrylic material, allowing customization.

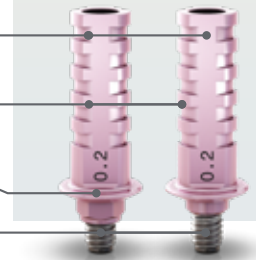
Consider a further 1.5 to 2.0
mm of restorative material;

Channels of personalization;

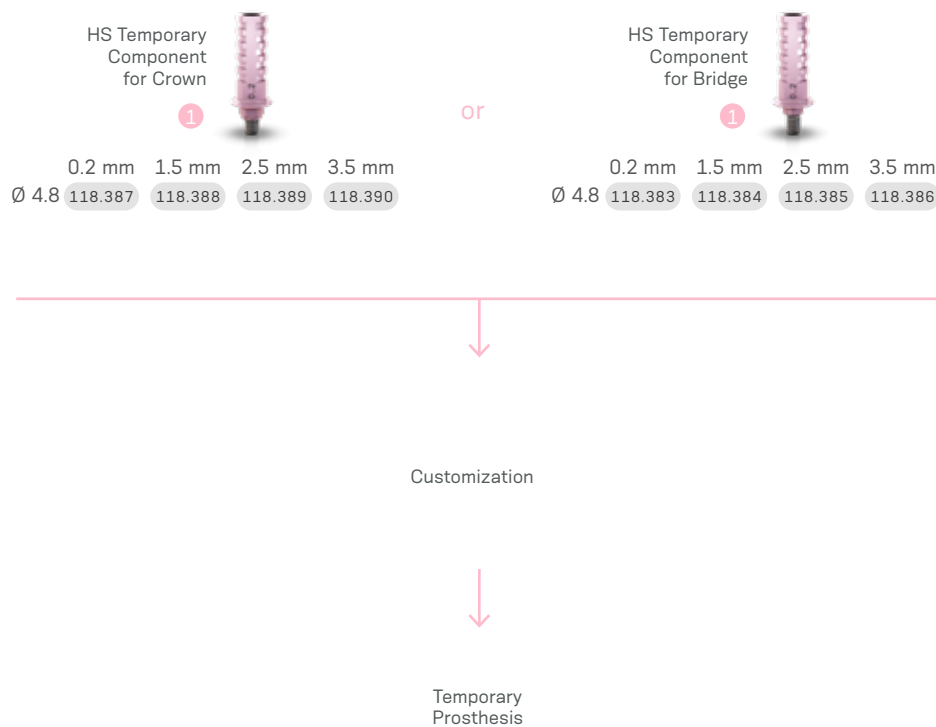
Interocclusal height of
10 mm (customizable
by up to 4.0 mm);

Exact;

Removable screw.



Installation Sequence



Drivers



Neo
Screwdriver
Torque
Connection



Torque Wrench

Accessories



HS Screws

116.296 Neo

116.297 Neo work

116.298 Neotorque®*

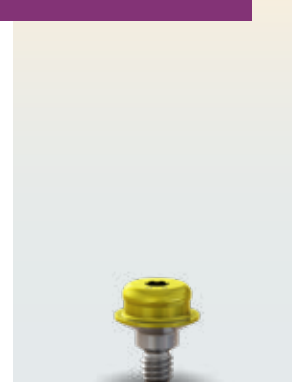
*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

HS TIN Attachment

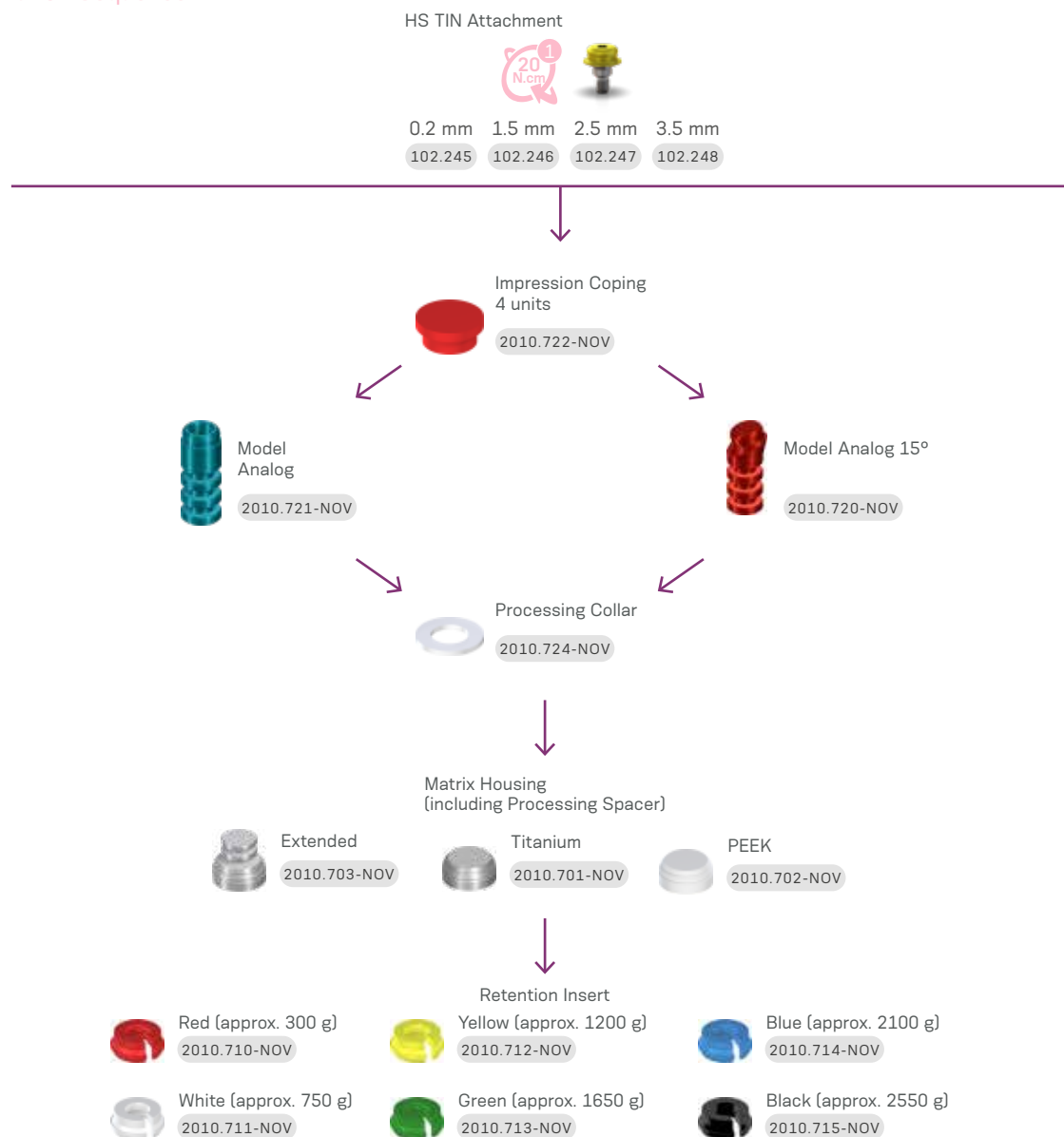


Overdenture

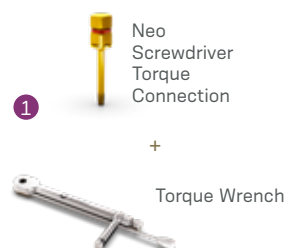
In-mouth capture recommended, one abutment at a time;
O-ring with Coping, Protection Disk included;
Allows angulation of up to 30° between two implants.



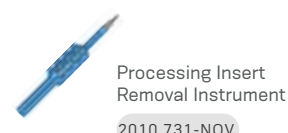
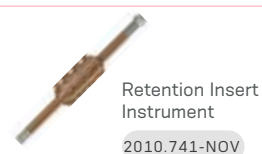
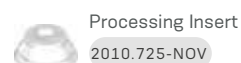
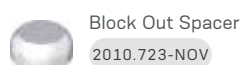
Installation Sequence



Drivers



Accessories



The first part of the paper discusses the importance of understanding the cultural context of the research. It highlights the need for researchers to be sensitive to the values and beliefs of the communities they are studying. This is particularly important in the field of education, where cultural differences can significantly impact learning outcomes. The paper then moves on to discuss the challenges of conducting research in diverse cultural settings. It notes that researchers often face difficulties in establishing rapport with participants and in interpreting their responses. To address these challenges, the paper suggests several strategies, including the use of local researchers and the development of culturally appropriate research instruments. The final part of the paper discusses the importance of ethical considerations in cross-cultural research. It emphasizes the need for researchers to obtain informed consent from participants and to ensure that their research does not cause harm or exploitation.

Kit

Helix Short

Surgical Kit Helix Short

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its full composition, use code 110.318.



Articles

110.317	HS Surgical Kit Cassette	125.185	Physical Stop 4.0 for Helix Short Drill 5.0
103.621	Helix Short Twist Drill 2.0	125.186	Physical Stop 5.5 for Helix Short Drill 5.0
103.597	Helix Short Tapered Drill 2.7	125.187	Physical Stop 7.0 for Helix Short Drill 5.0
103.607	Helix Short Tapered Drill 3.75	125.188	Physical Stop 8.5 for Helix Short Drill 5.0
103.608	Helix Short Tapered Drill 3.75+	125.189	Physical Stop 4.0 for Helix Short Drill 6.0/7.0
103.598	Helix Short Tapered Drill 4.0	125.190	Physical Stop 5.5 for Helix Short Drill 6.0/7.0
103.599	Helix Short Tapered Drill 4.0+	125.191	Physical Stop 7.0 for Helix Short Drill 6.0/7.0
103.600	Helix Short Tapered Drill 5.0	125.192	Physical Stop 8.5 for Helix Short Drill 6.0/7.0
103.601	Helix Short Tapered Drill 5.0+	103.426	Drill Extender
103.602	Helix Short Tapered Drill 6.0	105.153	HS Implant Driver for Contra-angle
103.603	Helix Short Tapered Drill 6.0+	105.154	HS Implant Driver - Torque Wrench (Short)
103.604	Helix Short Tapered Drill 7.0	105.155	HS Implant Driver for Torque Wrench
103.605	Helix Short Tapered Drill 7.0+	128.037	HS Angle Measurer 17°
103.606	HS Bone Profile Drill	128.038	HS Height Measurer
125.181	Physical Stop 4.0 for Helix Short Drill 2.0/2.7/3.75/4.0	128.039	HS Direction Indicator/X-Ray Positioner 2.7/3.75
125.182	Physical Stop 5.5 for Helix Short Drill 2.0/2.7/3.75/4.0	104.060	Neo Manual Screwdriver (medium)
125.183	Physical Stop 7.0 for Helix Short Drill 2.0/2.7/3.75/4.0	105.132	Neo Screwdriver Torque Connection (medium) – Torque Wrench
125.184	Physical Stop 8.5 for Helix Short Drill 2.0/2.7/3.75/4.0	105.137	Hexagonal Prosthetic Driver – Torque Wrench

Note: Items that are part of the Neodent® Kits are sold separately.

Instruments

Helix Short



Twist Drill

- :: Available in surgical steel;
- :: Diameter of 2.0 mm.

103.621

Tapered Drill

- :: Available in surgical steel;
- :: Surgical cavity instrumentation sequence for Helix Short implants;
- :: Color-coded according to diameter.



Ø 2.7	103.597	Ø 5.0+	103.601
Ø 3.75	103.607	Ø 6.0	103.602
Ø 3.75+	103.608	Ø 6.0+	103.603
Ø 4.0	103.598	Ø 7.0	103.604
Ø 4.0+	103.599	Ø 7.0+	103.605
Ø 5.0	103.600		

HS Bone Profile Drill.

- :: Available in surgical steel;
- :: It accommodates the bone around the implant platform, preparing the bone profile around the transmucosal collar when necessary (for implants 3.75 mm, 4.0 mm and 5.0 mm).



103.606

Drill Extender

- :: Available in surgical steel;
- :: Fit the drill directly into the Drill Extender.



103.426

Physical Stops for Helix Short Drills

- :: Available in titanium;
- :: For use in combination with Helix Short Drills;
- :: Physical control of drilling depth.

125.181	Physical Stop 4.0 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
125.182	Physical Stop 5.5 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
125.183	Physical Stop 7.0 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
125.184	Physical Stop 8.5 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
125.185	Physical Stop 4.0 for drill Ø 5.0
125.186	Physical Stop 5.5 for drill Ø 5.0
125.187	Physical Stop 7.0 for drill Ø 5.0
125.188	Physical Stop 8.5 for drill Ø 5.0
125.189	Physical Stop 4.0 for drill Ø 6.0 / 7.0
125.190	Physical Stop 5.5 for drill Ø 6.0 / 7.0
125.191	Physical Stop 7.0 for drill Ø 6.0 / 7.0
125.192	Physical Stop 8.5 for drill Ø 6.0 / 7.0



HS Direction Indicator / X-Ray Positioner

- :: Available in titanium;
- :: Instrument to guide the implant position;
- :: Narrower side for use after the 2.7 mm drill as direction indicator and X-Ray positioner;
- :: Wider side for use after drill 3.75 mm as direction indicator.



128.039

HS Angle Measurer 17°

- :: Available in titanium;
- :: Angle: 17°;
- :: For checking the angulation and indicating the correct positioning of the abutments during the prosthetic phase;



128.037

HS Height Measurer

- :: Available in titanium;
- :: For the selection of abutments;
- :: Markings correspond to gingival heights.



128.038

Neo Screwdriver Torque Connection

- :: Available in surgical steel;
- :: Yellow color for line identification.



104.060 Neo Manual Screwdriver (medium)

105.132 Neo Screwdriver Torque Connection (medium) – Ratchet

Hexagonal Prosthetic Driver

- :: Available in surgical steel;
- :: For installation of the HS Mini Abutment.



Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw	Torque Wrench Long
105.137	105.044	105.009	105.182

NEW ITEM

Support for Helix Short Physical Stops Kit

- :: Available in polymer;
- :: Replacement piece;
- :: To keep the physical stops organized and to adapt and remove the drills during the procedure



110.319

Torque Wrench



- :: Available in surgical steel;
- :: Extremely secure (lower than 5% variation);
- :: Fitting for square connections;
- :: Collapsible torque wrench that allows for appropriate cleaning.

104.050

HS Implant Driver for Torque Wrench



- :: For placement of HS implants with the Torque Wrench (104.050);
- :: With six markings, indicating the position of the face of the hex driver;
- :: Maximum torque 60 N.cm.

105.154 Short

105.155 Regular

HS Implant Driver for Contra-Angle



- :: To capture the HS Implant directly from the packaging;
- :: For placement of HS Implants with Contra-angle, or coupled to the Manual Screwdriver for Contra-angle Connections (104.028) for manual insertion;
- :: With six markings, indicating the position of the face of the hex driver;
- :: Maximum torque 35 N.cm.

105.153

Orthodontic Anchorage

PRODUCT FEATURES:

- Available in Titanium alloy as per ASTM-F136 (V);
- Self-perforating;
- Collar height;
- - Low: 0 mm;
- - Medium: 1 mm.
- Hole diameter: 0.7 mm;
- Hex diameter: 2,7mm.

Indications:

- Implants for orthodontic movement.

Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm;
- Torque resistance of up to 10 N.cm (Ø 1.3 mm) and 20 N.cm (Ø 1.6 mm).



Low Collar					Medium Collar											
5 mm 7 mm 9 mm 11 mm					5 mm 7 mm 9 mm 11 mm											
Ø 1.3																
	109.484 109.485 109.486				109.487 109.488 109.489											
Ø 1.6																
	109.701 109.493 109.494 109.495				109.702 109.496 109.497 109.498											



Orthodontic Anchorage Implant Package.



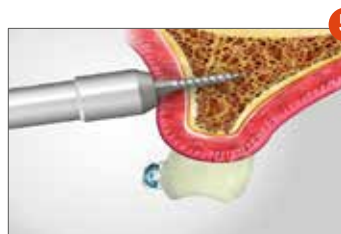
Remove the cap to access the implant.



Implant capture with Orthodontic Anchorage Contra-Angle Connection.



Implant placement with Contra-Angle Connections (105.039 or 105.040).



Option of manual implant insertion using a Handle Anchorage Implant Driver (104.033) or Torque Wrench Adaptor for Contra-Angle Connections (105.025).



Implant placed.

Instruments

- 103.044 Handle Anchorage Implant Driver, Stainless Steel
- 103.079 Punch for Orthodontic Anchorage, Stainless Steel
- 105.040 Bone Grafting/Anchorage Drill, Stainless Steel, 1.1 mm
- 105.025 Manual Implant Driver - Contra-Angle, Stainless Steel

- 104.028 Bone Grafting/Anchorage Drill, Stainless Steel, 1.3 mm
- 104.033 Torque Wrench Adaptor Connections Contra Angle, Stainless Steel
- 103.207 Anchorage Implant Driver - Torque Wrench (Short), Stainless Steel

Bone Grafting

PRODUCT FEATURES:

- Available in Titanium;
- Self-perforating.

Indications:

- Fixation of bone block graft.

Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm.



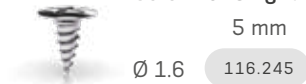
Ø 1.5 mm	Ø 3.70 mm	Ø 2.5 mm
Ø 2.0 mm	Ø 3.85 mm	Ø 3.0 mm



Standard Head

	6 mm	8 mm	10 mm	12 mm	14 mm
Ø 1.5					
	116.194	116.196	116.198	116.199	116.200
Ø 2.0					
	116.203	116.205	116.207	116.209	

Screw for Gingival Graft



5 mm

Ø 1.6

116.245

Expanded Head

	8 mm	10 mm	12 mm	14 mm
Ø 1.5				
	116.210	116.211	116.212	116.213
Ø 2.0				
	116.214	116.215	116.216	

Bone Grafting and Orthodontic Anchorage Kit

Autoclavable polymer case.

The Kit features the two techniques:

- Bone Grafting.
- Anchorage.



Articles

110.263	Bone Grafting and Orthodontic Anchorage Kit Case	• •	103.078	Drill 1.3 for Straight Piece	• •
104.018	Bone Grafting Manual Driver	•	103.042	Drill 1.1 for Straight Piece	• •
105.063	Philips Connection for Manual Driver	•	103.071	Punch for Bone Grafting/Orthodontic Anchorage	•
105.023	Philips Connection for Contra-Angle	•	104.033	Orthodontic Anchorage Implant Driver	•
103.045	Drill 1.6 for Contra-Angle	•	105.039	Anchorage Implant Driver Contra-Angle Connection - Long	•
103.079	Drill 1.3 for Contra-Angle	• •	105.040	Anchorage Implant Driver Contra-Angle Connection - Short	•
103.044	Drill 1.1 for Contra-Angle	• •	105.025	Torque Wrench Adaptor for Contra-Angle Connections	•
103.043	Drill 1.6 for Straight Piece	•			

Note: Items that compose Neodent Kits are sold separately.



Drills for Orthodontic Anchorage

- :: Available in stainless steel;
- :: Recommended for type I and II bones;
- :: Marks refer to Implant length (5, 7, 9 and 11mm)

Ø 1.1	Ø 1.3	Ø 1.6	
103.042	103.078	103.043	Straight Piece
103.044	103.079	103.045	Contra-Angle



Orthodontic Anchorage Implant Driver

- :: Available in stainless steel;
- :: Orthodontic Anchorage Implant manual placement.

104.033



Punch for Bone Grafting/ Orthodontic Anchorage

- :: Available in stainless steel;
- :: Initial cortical rupture.

103.071



Bone Grafting Manual Driver

- :: :: Assists in handling Philips Driver (105.063) and Punch for Bone Grafting/Orthodontic Anchorage (103.071).

104.018



Orthodontic Anchorage Adaptor Connections

- :: Connections for placing Anchorage Implants with Torque Wrench and Contra-Angle;
- :: Torque Wrench Adaptor Contra-Angle Connections (105.025).

Short	Long	Wrench
105.040	105.039	105.025



Philips Driver

- :: Available in stainless steel;
- :: Screw placement for bone grafting.

Manual Driver	Contra- Angle
105.063	105.023

Neodent® Techniques

One Step Hybrid Technique

The One Step Hybrid technique allows the passive fitting of prosthesis, without the need for weld procedure, by cementing the neo micro/mini titanium abutment coping base into the metal structure. This technique allows as well through a digital workflow, milled dental structure to be cemented on top of this titanium abutment coping. It is indicated for multi-unit screw-retained prosthesis and results in reduced laboratory work times. It can be performed over GM Mini Conical Abutments or GM Micro Abutments. The sequence to perform the One Step Hybrid technique is described in the following pictures:



Neo Mini Conical Abutments Copings One Step Hybrid Technique

:: For installation, use the Neo Torque Connection (105.132);
:: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.340	118.331	118.382



Neo Micro Conical Abutments Copings One Step Hybrid Technique

:: For installation, use the Neo Torque Connection (105.132);
:: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.341	118.333	118.381



Neo Working Screw One Step Hybrid

:: For laboratory use.

116.271

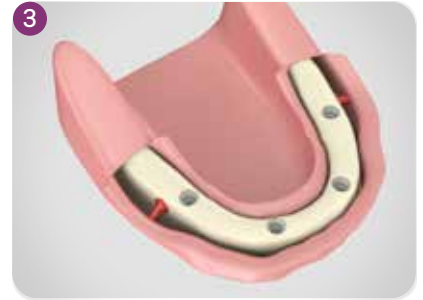
Demonstration Sequence



Regularize the alveolar ridge.



Surgical drilling completed, obtaining adequate distance from distal implant in relation to the mental foramen with 7 mm Space Planning Instrument.



Placement of 4 Neodent® implants, according to their indication.



Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



Positioning of Multifunctional Guide to obtain intermaxillary correlation. Soft silicone is injected to take the soft tissue impression.



Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



Working model with artificial gum.

Option 1 -Conventional Workflow for cast framework

Neo Mini Abutments Copings One Step Hybrid Technique



Working model with artificial gum.



Brass Copings are placed over analogs, then Burn-out Copings are fixed by working screws.



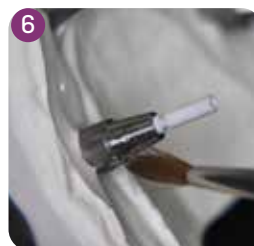
Wax-up the framework.



Cast framework. If necessary, provide internal wear in the regions corresponding to the castable copings.



Placement of both the Neo Mini Conical Abutment Coping Base and the sealing pin on top of the analog.



Apply a specific primer and proceed with the cementation according to the cement manufacturer.



Press the infrastructure over the coping base and immediately remove any overflowed cement excess as well as the sealing pin.



Unscrew the infrastructure from the model. Final framework with ensured passivity.

Option 2- Digital Workflow for milled Zirconia Bar

Neo Mini Conical Abutment Coping Base



Titanium

Regular

118.382

Long

118.410



Working model with artificial gum.



Install the GM Mini Conical Abutment Scanbody on the model and proceed with the scanning.



Design the zirconia bar in the CAD/CAM software.



Mill the zirconia bar.



Placement of both the Neo Mini Conical Abutment Coping Base and the sealing pin on top of the analog.



Apply a specific primer and proceed with the cementation according to the cement manufacturer.



Press the infrastructure over the coping base and immediately remove any overflowed cement excess as well as the sealing pin.



Unscrew the infrastructure from the model. Final framework with ensured passivity.



Final framework.

NeoConvert™ Technique

The NeoConvert™ technique is a viable option for patients with removable full dentures in good condition. This technique involves installing implants and abutments to allow the existing denture to be converted into a fixed temporary denture.



Mini Conical Abutment Coping NeoConvert

5.0 mm	6.5 mm
118.408	118.409



Mini Conical Abutment Distal Bar NeoConvert

125.207



Pin Capture NeoConvert

116.300



Neo Mini Conical Abutment Coping Screw 4.1

116.301



Mini Conical Abutment Polishing Protector

123.008



Digital Driver Pin Capture NeoConvert

104.074

Demonstration Sequence



1 Mini conical abutment coping NeoConvert installation.



2 Mark the prosthesis with silicone impression material.



3 Prosthesis wear.



4 Resin application.



5 Cylinder capture.



6 First Drill Handpiece NeoConvert™ 1.5 mm.



7 Second Drill Handpiece NeoConvert™ 1.5 mm.



8 Third Drill Handpiece NeoConvert™ 2.0 mm.



9 Polishing.



10 Installation.

RevEx Technique

A solution designed to facilitate and ensure accuracy when transitioning from a full arch temporary prosthesis to a final one within a digital workflow.



Demonstration Sequence

1ST APPOINTMENT AT THE DENTAL OFFICE | Step 1 - Step 7



Set up the IOS software for screw-retained multiple unit prostheses.



Perform intraoral scanning of the opposite arch.



Conduct intraoral scanning with the installed temporary prosthesis. Follow the equipment manufacturer's instructions for the scanning protocol.



Capture the bite position with the temporary prosthesis installed.



Unthread and remove the temporary prosthesis with Neo Driver. Proceed with soft tissue scanning applying the installed Mini Conicals.



Thread the RevEx into the prosthesis with the Neo Driver, using 10 N.cm torque.



Proceed with the extraoral scanning protocol of the temporary prosthesis with installed RevEx Scanbodies.

IN LAB



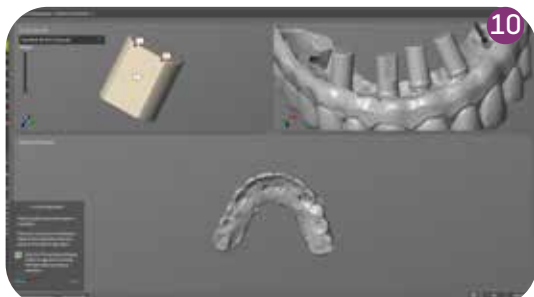
Import all files as STLs into the CAD/CAM software, design and create the temporary restoration and the implant verification jig.

2ND APPOINTMENT AT THE DENTAL OFFICE



Select the prosthetic prototype try-in to review the design, aesthetics and phonetics. If necessary, correct the passive fit in the implant verification jig.

IN LAB



Design and manufacture the final restoration.

3RD APPOINTMENT AT THE DENTAL OFFICE



Deliver the final restoration.

Distal Bar Technique

Technique used to ease mandible rehabilitation, through a provisional hybrid type prostheses supported by implants.



Neo Distal Bar Coping

- :: Available in titanium;
- :: Retainers to ease joining with acrylic resin;
- :: Recommended torque: 10 N.cm;
- :: For torque, use Neo Screwdriver (105.132)

118.308



Neo Distal Bar

- :: Recommended for distal Implants to reinforce the cantilever.

125.116



Polishing Protector

- :: Available in surgical steel;
- :: Protection for the lab polishing.

123.008

Demonstration Sequence



1 Neodent® Abutments placed.



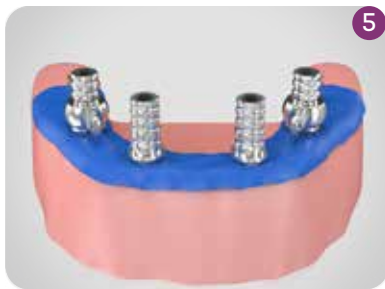
2 Prosthesis wearing, keeping posterior region integrity.



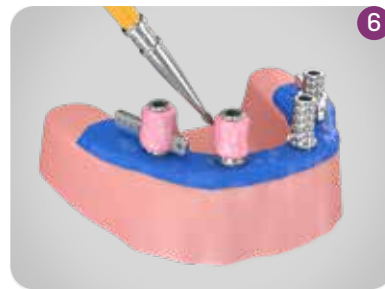
3 Place the copings into the central Implants and Distal Bar to distal Implants.



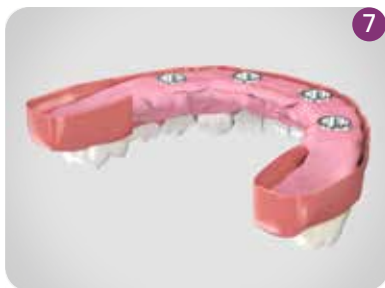
4 Proof of inferior prostheses wearing (centered occlusion position, no interference on copings).



5 Placement of rubber dam over copings to protect soft tissues.



6 Apply selfpolymerizing acrylic resin on and between the copings.



7 Apply to worn area in lower prosthesis, repositioning inside mouth. Keep patient in occlusion until total polymerization.



8 Remove the inferior prosthesis after resin is polymerized. Copings already captured.



9 Adjustments, finishing and polishing procedures of inferior prosthesis with polishing protectors.



10 Placed provisional implant supported prosthesis.



11 Final inside-mouth posterior view.

Digital Solutions

Neodent® Digital Libraries



Visit www.neodent.com/cadcam to download the digital files to work with Neodent® Titanium Bases, Titanium Blocks, Abutments, Mini Conical Abutments, Micro Abutments, Universal Abutments, One Step Hybrid Copings, Scanbodies and Hybrid Repositionable Analogs. Libraries are available for the following companies: exocad GmbH, Amann Girrbach AG Inc, Dental Wings Inc and 3Shape A/S.

Scannable solutions

Neodent® scannable solutions can be used for scanning and digitalization of the patient or model providing accuracy in digital workflow.



- 108.207 GM Exact Implant Intraoral Scanbody (intraoral and model)
- 108.222 Zi Implant Scanbody (intraoral and model)
- 108.221 NGM Implant Scanbody (intraoral and model)
- 108.226 HS Implant Scanbody (intraoral and model)
- 108.218 Mini Conical Abutment Scanbody (intraoral and model)
- 108.219 Micro Abutment (intraoral and model)
- 108.220 Abutment (intraoral and model)
- 108.199 CR Abutment Scanbody 4.0x5 (intraoral)
- 108.200 CR Abutment Scanbody 4.5x5 (intraoral)
- 108.143 Universal Abutment 3.3x4 (intraoral)
- 108.144 Universal Abutment 3.3x6 (intraoral)
- 108.145 Universal Abutment 4.5x4 (intraoral)
- 108.146 Universal Abutment 4.5x6 (intraoral)
- 108.228 Scan Base C GM, titanium 0.8 mm (intraoral)
- 108.229 Scan Base C GM, titanium 1.5 mm (intraoral)
- 108.230 Scan Base C GM, titanium 2.5 mm (intraoral)
- 108.231 Scan Base C GM, titanium 3.5 mm (intraoral)
- 108.232 Scan Base C GM, titanium 4.5 mm (intraoral)
- 108.233 Scan Base C GM, titanium 5.5 mm (intraoral)
- 108.233 Scanbody / RevEX Mini Conical 4.8 (extraoral)

Hybrid Repositionable Analog

Neodent® Hybrid Repositionable Analogs can be used in prototyped models, produced by 3D printers, or conventional plaster models.



- 101.103 GM Hybrid Repositionable Analog 3.5/3.75
- 101.089 GM Hybrid Repositionable Analog 4.0/4.3
- 101.090 GM Hybrid Repositionable Analog 5.0/6.0
- 101.091 Micro Abutment Hybrid Repositionable Analog
- 101.092 Mini Conical Abutment Hybrid Repositionable Analog
- 101.097 Universal Abutment Hybrid Repositionable Analog 3.3X4
- 101.098 Universal Abutment Hybrid Repositionable Analog 3.3X6
- 101.099 Universal Abutment Hybrid Repositionable Analog 4.5X4
- 101.100 Universal Abutment Hybrid Repositionable Analog 4.5X6
- 101.101 GM Abutment Hybrid Repositionable Analog
- 101.080 Hybrid Repositionable Analog Zi Implant
- 101.106 Zi CR Abutment Analog 4.0x5
- 101.105 Zi CR Abutment Analog 4.5x5
- 101.107 NGM Hybrid Analog
- 101.108 HS Hybrid Analog

NeoResins™

Printing smiles

NEW

3D printing
solution with
Neodent®
performance



NeoResins™ is designed to deliver performance in digital workflows formulated exclusively by Neodent® quality standard production center.



DENTAL SOLUTIONS DELIVERED FOR YOUR NEEDS

Range of applications tailored to meet various clinical requirements, from medical to non-medical devices.



ACCESSIBLE TECHNOLOGY

Engineered to integrate with the most common Digital Light Processing (DLP) 3D printing technologies.

BIO

BIOCOMPATIBLE

Biocompatible dental 3D printing resins approved by global medical regulations.





183.2012

EXTRAORAL

Dental Model

Standard non-biocompatible 3D printing resin developed for highly detailed models, available in plaster color to ensure excellent esthetic results, demonstrating precision.

COLOR
Beige

TECHNICAL INFORMATION

Flexural strength	87,9 MPa
Viscosity	500 - 900 cps
UV Wavelength	≤ 405nm



183.1057

INTRAORAL

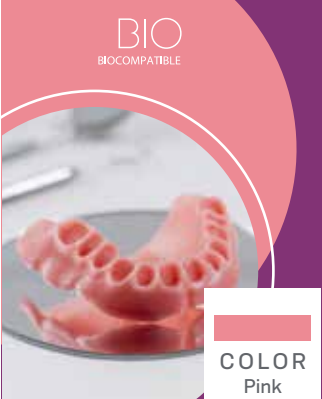
Temporary Denture Teeth

Designed to achieve both functional and visually pleasing outcomes, offers a natural-looking printed teeth providing flexibility and ease of use when combined with the Temporary Denture Base resin.

COLOR
B1

TECHNICAL INFORMATION

Flexural strength	77,09 MPa
Viscosity	500 - 900 cps
UV Wavelength	≤ 405 nm



183.1056

INTRAORAL

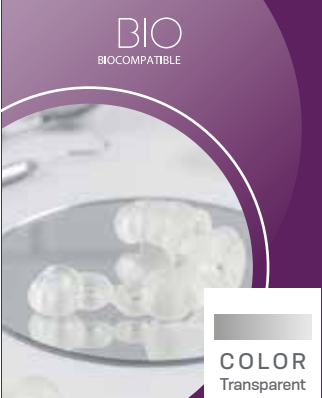
Temporary Denture Base

Provides resilient mechanical properties and functional attributes ideal for printing temporary dentures with durability throughout their use.

COLOR
Pink

TECHNICAL INFORMATION

Flexural strength	87,9 MPa
Viscosity	500 - 900 cps
UV Wavelength	≤ 405nm



183.1029

INTRAORAL

Surgical Guide

Obtain optimal results with our surgical guide material, which facilitates steam sterilization without compromising the dimensions or features of the 3D printed parts.

COLOR
Transparent

TECHNICAL INFORMATION

Flexural strength	91,41 MPa
Viscosity	500 - 900 cps
UV Wavelength	≤ 405 nm



183.1030

INTRAORAL

Bite Splint

The biocompatible resin used for bite splints has specific attributes tailored for enduring procedures and for giving comfort to myorelaxant boards.

COLOR
Transparent

TECHNICAL INFORMATION

Flexural strength	82,58 MPa
UV Wavelength	≤ 405 nm

General Instruments

Torque Wrench

- :: Available in surgical steel;
- :: Extremely safe (lower than 5% variation);
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning.

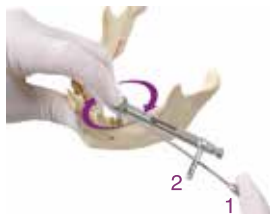
104.050



Operational Instructions

The Neodent® Torque Wrench was designed to allow the necessary torque to be applied and simultaneous verification of that torque with the same Instrument.

All that is needed is to apply force to the wrench handle **1** (never the wrench body) until the value marked on the LATERAL SCALE **2** corresponds to the desired torque.



The wrench function works in both directions, by simply pulling and turning the driver's pin 180°. However, the torque measurements work only lockwise.

•WARNING: When inverting the torque direction, the gear may come loose from the driver body and fall. Therefore, this inversion should only be done with the driver connected to a part or outside the patient's mouth.



The Neodent® Torque Wrench comes with pre-calibrated torques

7 and 9 mm Space Planning Instrument

- :: Available in surgical steel;
- :: Recommended for prosthetic/surgical planning.
- :: 7 and 9 mm marks.

128.026



Surgical Labial Retractor

- :: Available in surgical steel;
- :: Rounded edges to minimize surgical trauma.

124.001



Columbia Retractor

- :: Available in surgical steel;
- :: Rounded edges to minimize surgical trauma.

124.003



Titanium Tweezers

- :: To handle implants;
- :: New Tweezer system that prevents deviation in the active bit;
- :: Millimeter scale for checking during procedures;
- :: Self-locking implant.

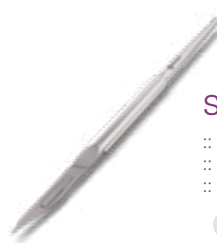
129.001



Scapel Handle

- :: Available in surgical steel;
- :: For standard scalpel blade use;
- :: Blade not included.

129.008



Depth Probe

- :: Available in titanium;
- :: To probe preparations and analyze depth;
- :: Millimeter scale for checking during procedures.

129.004



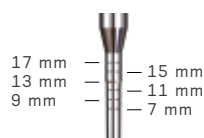
Bivers Handle

- :: Available in surgical steel;
- :: Non-traumatic extraction for implant placement;
- :: Similar to a periosteal.

129.002



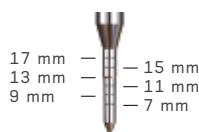
Concave Osteotome



- :: Available in surgical steel;
- :: Concave active cutting bit for nontraumatic lifting the floor of the maxillary sinus;
- :: Used to prepare the surgical alveolus for Implant placement in the posterior maxillary region with low bone height;
- :: Marks from 7 to 17mm.
- :: Marks from 7 to 17mm.

1.8 mm	2.0 mm	2.5 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm
110.325	110.323	110.326	110.327	110.328	110.329	110.330

Convex Osteotome



- :: Available in surgical steel;
- :: Convex active bit;
- :: Used when the bone width is insufficient, demanding bone compression and expansion before placing the implant;
- :: Marks from 7 to 17mm.

1.8 mm	2.5 mm	2.9 mm	3.0 mm	3.5 mm
110.331	110.332	110.324	110.333	110.334

Osteotomes Kit Case

- :: Available in polymer;
- :: Autoclavable;
- :: Osteotomes sold separately.

110.336



Surgical Hammer



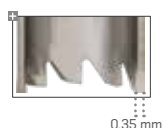
- :: Available in surgical steel;
- :: Polymer active bit;
- :: Used in compactors and expanders;
- :: Weight: 130g.

126.001

Trephine Bur

- :: Available in surgical steel;
- :: Collecting bone cylinder;
- :: Implant removal.

Ø 2.9	Ø 3.3	Ø 3.5	Ø 3.75
103.731	103.051	103.490	103.491
Ø 4.1	Ø 4.3	Ø 5.0	Ø 8.0
103.026	103.087	103.027	103.028



Sinus Lift Curette

- :: Available in surgical steel;
- :: Used to displace the Sinusal Membrane.



Complement Case

- :: Available in autoclavable polymer;
- :: Used to organize drills and auxiliary connections.

110.270



Handle Implant Driver

- :: Available in stainless steel;
- :: Manual implant placement.

104.047



Analog Handle

- :: Used for tightening analogs and milling prosthetic abutments.

104.036



Prosthetic Surgical Guide

- :: Available in titanium;
- :: Abutments to prepare the surgical guide;
- :: Prosthetic guide inner diameter 2 mm;
- :: Heights 6 and 10 mm;
- :: Surgical Guide: package with 10 units (5 units of 10 mm and 5 units of 6 mm);
- :: Surgical Guide Pin: package with 5 units

Guide	Pin
103.092	103.093



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